

MONTHLY WEATHER SUMMARY

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1972

SILVER SPRING  
CENTER  
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# **National Oceanic and Atmospheric Administration**

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## LIST OF STATIONS

## MEASUREMENTS TAKEN

COUNTRY	STATION	LAT.		LONG		ALT. ft.	Synop. Obs.	Temp.	Humidity	Wind sp. & dir.	Daily wind mileage	Rainfall	Rainfall intens.	Evap.	Soil Temp.	Sunshine
		o	'N	o	'W											
<u>Trinidad</u>	Centeno	10	35	61	20	50		x	x	x	x	x	x	x	x	x
	Penal Agr Stn	10	10	61	28	25		x	x	x	x	x	x	x		x
	Piarco Airport	10	35	61	21	41	x	x	x	x	x	x	x	x		x
	St. Augustine, U.W.I.	10	38	61	24	52		x	x	x	x	x	x	x	x	x
<u>Tobago</u>	Crown Point Airport	11	09	60	50	9	x	x	x	x	x	x	x	x		x
	Louis d'Or	11	15	60	34	40		x	x		x	x	x	x		x
<u>Grenada</u>	Mirabeau	12	08	61	39	450		x	x		x	x	x	x		x
	Mt. Horne	12	09	61	39	500		x			x					
	Pearls Airport	12	09	61	37	22	x	x	x		x					
<u>Barbados</u>	Husbands, CMI	13	08	59	37	370	x	x	x	x	x	x	x	x	x	x
	Seawell Airport	13	04	59	29	183	x	x	x	x		x	x			x
<u>St. Vincent</u>	Arnos Vale Airport	13	09	61	13	30	x	x	x		x					
	Camden Park	13	10	61	15	15		x	x		x	x	x	x		x
<u>St. Lucia</u>	Beausejour Agr Stn	13	45	60	57	75		x	x		x	x	x	x		x
	Hewanorra Airport	13	45	60	57	21	x	x	x		x					
	Roseau, Winban	13	56	61	02			x	x		x					x
	Vigie Airport	14	01	61	00	7	x	x	x	x						

MEASUREMENTS TAKEN

COUNTRY	STATION	LAT.		LONG		ALT. ft.	Synop. Obs.	Temp.	Humidity	Wind sp. & dir.	Daily wind mileage	Rainfall	Rainfall intens.	Evap.	Soil Temp.	Sunshine
		o	'N	o	'W											
<u>Dominica</u>	Melville Hall Airport	15	33	61	18	43	x	x	x	x		x				x
	Roseau Cent. Livestock Farm	15	18	61	23	220		x	x		x	x	x	x	x	x
<u>Montserrat</u>	Grove	16	43	62	13	150		x	x			x	x			
<u>Antigua</u>	Coolidge Airport	17	08	61	47	26	x	x	x	x		x				
	Dunbars	17	09	61	50	220		x	x			x				
<u>St. Kitts &amp; Nevis</u>	Caines	17	25	62	49							x		x		
	Cunningham	17	18	62	46							x		x		
	Golden Rock Airport	17	19	62	43		x	x	x							
	La Guerite	17	18	62	44	160		x	x		x	x	x	x		x
	Needsmust West Farm	17	18	62	43	90		x	x		x	x		x	x	
<u>Br. Virgin Islands</u>	Paraquito Bay	18	25	64	35	50		x	x		x	x	x			x
<u>Jamaica</u>	Bernard Lodge	17	58	76	56	55		x	x		x	x	x	x		x
	Bodles	17	55	77	08	60		x	x		x	x	x	x		x
	Caenwood	18	12	76	35			x				x				
	Cedar Valley	17	59	76	35	1980		x	x		x	x		x		

JAMAICA STATIONS CONTD.

MEASUREMENTS TAKEN

COUNTRY	STATION	LAT		LONG		ALT ft.	Synop. Obs.	Temp.	Humidity	Wind sp. & dir.	Daily wind mileage	Rainfall	Rainfall intens.	Evap.	Soil Temp.	Sunshine
		o	'N	o	'W											
<u>Jamaica</u>	Cinchona Hill Gdns.	18	04	76	39	4895		x	x			x				
	Dallas	17	59	76	42	950		x	x			x				
	Duckenfield	17	55	76	15	60		x	x			x	x			x
	East Albion Nursery	17	53	76	35	90		x	x		x	x	x	x		
	Empire Nursery	18	02	76	39	2130		x	x		x	x	x	x		
	Farm Hill	18	03	76	38	4020		x	x		x	x	x	x		
	Frome	18	18	78	09	90		x	x			x				x
	Halls Delight	18	03	76	40	3020		x	x		x	x	x	x		
	Hope Gdns.	18	01	76	45	710		x	x			x				
	Irwin	18	27	77	53	80		x	x			x				
	Kingston. St. Georges Col.	17	59	76	47	90		x	x			x				
	N. Manley Airport	17	56	76	47	9		x	x	x	x	x	x	x		x
	Marshall Pen	18	03	77	32	2300		x	x	x	x	x				
	Mason River Field	18	11	77	16	2300		x	x	x		x	x			
	Monymusk	17	48	77	16	30		x	x			x				x
	Morant Point L.H.	17	55	76	11	5		x	x	x	x	x				
	Negril Point L.H.	18	15	78	22	25		x	x	x		x				



GUYANA STATIONS CONTD.

MEASUREMENTS TAKEN

COUNTRY	STATION	LAT.		LONG		ALT. ft.	Synop Obs.	Temp.	Humidity	Wind sp. & dir.	Daily wind mileage	Rainfall	Rainfall intens.	Evap.	Soil Temp.	Sunshine
		o	'N	o	'W											
<u>Guyana</u>	Georgetown															
	Old Rifle Range	06	50	58	09				x							
	Great Falls	05	18	58	32								x			
	Hoaroro	08	10	59	48	300		x	x			x				
	Itabru Falls	04	52	58	14			x	x		x	x	x	x		
	Kaieteur Falls	05	11	59	29			x	x		x	x	x	x		x
	Kamarang	05	53	60	37	1625	x	x	x	x	x	x	x	x		x
	Keraha Landing	06	09	59	27								x			
	Lethem	03	22	59	48	326	x	x	x		x	x	x	x		x
	Mabaruma	08	12	59	47	168	x	x	x	x		x				
	Mackenzie	06	00	58	18								x			
	Mahaicony A.R.D.S.	06	28	57	46	5		x	x		x	x	x	x		x
	Maripa	06	47	58	30								x			
	Matthew's Ridge	07	30	60	10	310		x	x			x	x			x
	Mazaruni Prison	06	24	59	39	47		x	x			x	x			x
	Mon Repos	06	47	58	04	10		x	x			x				x
	New Amsterdam	06	15	57	31	3		x	x			x	x			
	Plantain Island	05	51	58	35			x	x			x	x			
	Port Kaituma	07	44	59	53	100		x	x			x				
	Reynold Bridge	05	15	57	39								x			
Sipartita	05	15	57	18								x				
Skeldon Front	05	53	57	09			x	x			x				x	
Tandani	06	27	58	00							x					



## NOTES ON THE OBSERVATIONS AND SUMMARIES

### GENERAL

1. The station list includes some stations from which returns are sometimes delayed. Thus in any particular month summaries for a listed station may not appear in the tables. It is expected that supplementary tables, incorporating previously missed observations, will be published from time to time.
2. At synoptic stations, station elevation refers to the height of the barometer cistern above mean sea level; at other stations, it refers to the height above mean sea level of the ground on which the raingauge stands.
3. Thermometers are exposed in louvered wooden screens with their bulbs approximately 4 feet above the ground. Forced ventilation of the wet and dry bulb thermometers is not generally used.
4. At most stations the raingauge has its rim 1 foot above the ground but in Guyana this height is generally one metre. Most of the standard gauges are 5 inches in diameter; the recording gauges, usually of the tilting-syphon or natural-syphon types, are either 5 or 8 inches in diameter.
5. Local Standard Time (LST) in Belize is 6 hours behind Greenwich Mean Time (GMT); in Jamaica and the Cayman Islands, it is 5 hours behind, and in the rest of the countries, it is 4 hours behind. For some of the daily observations the unit of time is the calendar day; for others, it is the 24-hour period commencing at the time of the morning observation on that date and called the "climate day".
6. In each summary table, stations are arranged in alphabetical order within countries. The countries are arranged in geographical order commencing with Trinidad, then moving northwards and westwards along the island chain through Jamaica and the Cayman Islands to Belize, and concluding with Guyana.
7. A blank space indicates that data are not available, or were considered unreliable.

### TABLE I

1. This table gives summaries of observations made at fixed hours, LST. At synoptic stations these are the main synoptic reporting hours (00, 06, 12 and 18h GMT). At other stations there are the one or two hours at which observations are made each day.

/ct'd.....

## II

2. The mean dry bulb and wet bulb temperatures are the averages of the 30 or 31 (28 or 29 for February) daily values as measured at that time of day. The mean vapour pressure is similarly the average of the 30 or 31 computed daily values. On the other hand, the mean relative humidity is computed as the ratio of the mean vapour pressure to the saturation vapour pressure at the mean dry bulb temperature.

3. Barometric pressure is generally measured only at synoptic stations. The values given are the means of the 30 or 31 daily observations at that time, each reduced to mean sea level before being averaged.

4. The observation hour windspeed is generally read from an indicator, but at some stations it is taken from the anemograph chart. The average of the 30 or 31 daily values is given in this table. They must be considered as indicating only the mean speed during the month for a particular time of day, and a mean daily windspeed should not in general be calculated from them. This is particularly true of stations with only one or two hourly observation times, and at those where the four synoptic hour values indicate a significant diurnal effect.

5. Cloud cover is observed at synoptic stations and reported as the fraction of the sky (in eighths) that is occupied by cloud. The mean amount given here is the average of the 30 or 31 daily reports for that time of day. The number of days on which the sky was clear at that time of day (0 eighths), mostly clear (1, 2), partly cloudy (3-5), mostly cloudy (6, 7), or overcast (8) is given in the following columns. An entry in the column headed "9" would indicate an observation for which the sky was either partially or wholly obscured (as, for instance, by fog). It should be noted that the total number of observations in the six columns will be equal to the number of days in the month, unless an observation was missed.

6. Visibility is reported from the synoptic stations in terms of the number of miles (or yards) at which objects are clearly distinguishable. This is customarily "10 or more miles" unless some obscuring material (usually haze, smoke, fog or rain) is present in the air. Again, the total number of observations in these eight columns will be equal to the number of days in the month unless an observation was missed.

### TABLE II

1. This table gives summaries of the usual daily observations. All stations listed in Table I should also have entries here. In addition, stations observing only rainfall and/or temperature extremes, will be included in Table II but not in Table I.

2. The rainfall data from the standard raingauge at each station. The observation is taken in the morning usually at 12h GMT (i.e. at 6 to 8 A.M. LST) and is entered to the previous day. The "climate day" thus terminates at the time of the following morning's observation and not at midnight. The most rain in a day, the date on which it occurred,

/ct'd...

### III

and the number of days with amounts exceeding .04, .40 and 1 inch, all refer to the "climate day".

3. Maximum and minimum temperatures are read in the morning, with the maximum being entered to the previous day. As indicated, the mean daily temperature given in this table is the average of mean maximum and mean minimum temperatures. The highest maximum and lowest minimum observed during the month are also given.

4. The grass minimum temperature is found from a thermometer exposed to the atmosphere at a height of 2 inches above the ground. As it will cool through overnight radiation loss, generally lower temperatures than those from the screened thermometers will be observed. The mean of the 30 or 31 daily values is given in the table.

5. All stations for which monthly sunshine totals are given here will normally have entries in Table VI as well.

6. At synoptic and a few other stations, the observer is asked to note the occurrence of thunder, fog, hail or gale (i.e. a mean windspeed in excess of 34 knots). The total number of calendar days during the month with such occurrences is given here. It should be emphasized that unless the station is manned continuously, these events, particularly thunder, are likely to be under-counted.

#### TABLE III

1. This table gives summaries of additional daily observations of importance primarily to agriculture.

2. The wind mileage data are from totalizing cup anemometers set 6 feet above the ground. The counters are read at the morning observation hour and hence both the "daily mean" and "most in a day" figures refer to the climate day rather than the calendar day. It should be noted that, as the mean hourly windspeeds calculated from these values would refer to a 6 foot height, they will be significantly lower than those means that may appear for the same stations in Table V,

3. Evaporation is usually measured using a Class A pan, a metal container, 4 feet in diameter and 10 inches deep, which is exposed on a wooden platform just above the ground. The water depth in the pan is maintained at between 7 and 8 inches, with changes in the level being measured at each morning's observation. The total water loss for the month is given in the table together with the maximum daily loss during the month and the date on which it occurred. Both these last entries refer to the climate day. Daily readings are sometimes missed when the pan is cleaned or repaired. If more than four readings in a month are missing, no total is shown, if three or four readings are missing, the total is adjusted and printed with the letter 'M' next to it, if one or two readings are missing, the adjusted total is printed but without an 'M'.

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#### IV

4. Soil temperature extremes are read in the morning; the maxima being entered to the previous day. The mean maximum, mean minimum and extremes are given for the two depths that are most frequently instrumented at the various stations.

5. Radiation measurements are mostly from Gunn-Bellani pyranometers that are read in the morning and are entered to the previous day. While the most and least in a day will refer to the climate day, there will be little difference for solar radiation between climate and calendar days as the morning observation is generally taken shortly after sunrise.

#### TABLE IV

1. This table gives maximum rainfall amounts during specified periods of time, as determined from the charts of recording raingauges.

2. It is important to note that, presently, the measurement of maximum amounts at some stations is confined to single 24-hour periods (the climate, or rainfall day) while at others two daily charts may be combined when necessary for the determination of maximum amounts. These two procedures are likely to produce divergent results only for the 6 and 12 hourly periods, with the former method tending to under-record these maximum amounts.

#### TABLE V

1. This table gives mean windspeeds and details of the highest winds recorded at stations possessing anemographs. These figures normally relate to heights of between 30 and 60 feet above the ground.

2. For each hour during the month a mean windspeed to the nearest knot is read off the chart. The prevailing wind direction to the nearest 10° is also given. The highest speed for any clock hour is given in this table, together with the corresponding direction and time and date of occurrence.

3. The direction, speed and occurrence time of the highest gust during the month is also given. While response characteristics of the different anemographs in use varies, this will generally represent the speed over a 2-5 second averaging time.

4. The number of hours during the month in which one or more gusts occur that exceed 33, 47 and 63 knots (i.e. Beaufort force 7, 9 and 11 respectively), are given in the next three columns. These values correspond to 38, 55 and 72 miles per hour.

5. The average of all the hourly anemograph values during the month is given in the last column. At stations where the diurnal effect is relatively small, this figure and the average of the four windspeed entries for synoptic stations in Table I should be reasonably close.

/ct'd...

TABLE VI

1. This table gives summaries of the hourly and daily amounts of sunshine, measured by Campbell-Stokes sunshine recorders. The time scale produced by the recorder and used here is centred on solar noon and is referred to as local apparent time (LAT). Except for the Cayman Islands, local apparent time does not differ from the local standard time by more than + 10 minutes on average.

2. During each hour the amount of direct sunshine is measured in tenths of an hour. The mean duration figures given here are the averages of the 30 or 31 daily values for that hour; as they are in hundredths, they can also be considered as giving directly the percentage of time that the sun shone for each hour during the day.

3. The total duration in hours will be equal to the sum of the previous columns times the number of days in the month. It is also expressed as a percentage of the maximum amount possible, based on the stations' latitude and the season.

4. The most sunshine in any day and the date of occurrence are given; where two or more days are tied for maximum, only the earlier date is listed.

5. The number of days with sunshine amounts in different ranges is given in the last part of the table. The sum of the entries here should equal the number of days in the month. Where they do not, it indicates that one or more values have been missed; provided that fewer than 6 days are missing, the monthly total duration will have been adjusted to represent the whole month.





TABLE 1 SUMMARY OF OBSERVATIONS AT FIXED HOURS JANUARY 1972

COUNTRY STATION	HEIGHT ABOVE MSL ft.	MEAN TEMPERATURE AND HUMIDITY		MEAN TEMPERATURE AND HUMIDITY		MEAN REDUCED PRESSURE TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (feet)					VISIBILITY (No of Observations)				
		WET BULB		REL HUM %				MEAN AMY	Number of Observations				1-10 100	1-200	2-1000	1-2000	1-∞
		DAY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %				0	1-2	3-5	6-7					
<b>JAMAICA</b>																	
HOPE GARDENS		07	66.9	62.7	17.5												
IRWIN		07	74.0	71.2	24.9												
KINGSTON		15	82.7	74.5	25.6												
		07	71.1	68.2	22.3												
		13	84.5	74.8	25.2												
MARSHALLS PEN		07	62.2	59.9	16.5		2.0	1.8	9	16	2	4	0	0			
		13	77.6	68.2	18.6		5.0	4.6	1	7	8	14	0	1			
MASON RIVER	2300	07	63.4	62.9	19.4												
		13	76.5	70.2	22.4												
		19	63.6	62.0	18.2												
MONTEGO BAY APT	5	01	68.5	64.8	20.3		1.2	2.3	1	21	4	5	0	0	0	0	0
		07	70.3	67.0	21.4		1.7	3.6	0	13	10	8	0	0	0	0	0
		13	79.6	71.9	23.8		14.3	3.2	0	16	8	7	0	0	0	0	0
		19	74.1	69.6	23.0		5.2	4.1	0	9	10	11	1	0	0	0	0
MONYMUSK	30	07	76.0	71.9	24.9												
		01	68.5	64.8	20.3		1.2	2.3	1	21	4	5	0	0	0	0	0
		07	70.3	67.0	21.4		1.7	3.6	0	13	10	8	0	0	0	0	0
		13	79.6	71.9	23.8		14.3	3.2	0	16	8	7	0	0	0	0	0
		19	74.1	69.6	23.0		5.2	4.1	0	9	10	11	1	0	0	0	0
MORANT POINT L.H.	6	01	79.1	75.6	28.7		14.2	3.5	1	8	17	5	0	0			
		07	78.8	75.5	28.7		14.2	4.7	0	2	17	12	0	0			
		13	81.8	77.6	30.6		13.4	4.4	0	4	17	10	0	0			
		19	79.4	76.0	29.1		13.4	3.3	4	9	11	6	1	0			
NEGRIL POINT L.H.	27	07	70.9	67.6	21.7		1.8	2.5	1	21	6	2	1	0			
		13	84.7	75.0	25.3		5.8	4.2	0	10	10	9	2	0			
		19	77.8	73.0	25.6		1.8	4.3	0	10	9	9	3	0			
ORANGE RIVER	980	08	69.7	67.9	22.7												
		16	76.0	71.9	24.9												
PALISADOES APT	10	01	76.9	72.4	25.4												
		07	75.9	71.4	24.4		3.1	1.5	5	20	6	0	0	0	0	0	0
		13	85.0	76.2	27.3		2.3	3.0	0	16	7	8	0	0	0	0	0
		19	80.1	72.9	24.9		11.6	3.5	0	17	6	8	0	0	0	0	0
SMITHFIELD	925	08	73.3	69.5	22.9		9.1	3.1	1	16	7	7	0	0	0	0	0
BR. HONDURAS																	
BELIZE APT		06	72.3	71.2	25.9		4.5	4.5	0	8	10	10	0	2	0	0	2
		12	80.5	74.4	26.5		9.2	5.4	0	3	11	15	2	0	0	0	0
		18	76.7	73.5	26.7		5.8	3.4	0	15	7	8	1	0	0	0	2







TABLE II SUMMARY OF DAILY OBSERVATIONS JANUARY 1972

COUNTRY STATION	TOTAL AMOUNT		RAINFALL (Inches)		NUMBER OF DAYS WITH OR MORE THAN			AIR TEMPERATURE °F				MEAN GRASS MIN %	TOTAL SUNSHINE DURATION HR	NO. OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN (A+B)	EXTREMES				ENGINERS	FOO	MAIL	GAGE
				-0.4	-0.9	1.00				MAX	MIN						
<b>JAMAICA</b>																	
MONEYMUCK	1.50	.68	13	5	1	0	84.1	60.2	72.2	90	60	237.4					
MORANT POINT L.H.	2.50	.45	27	11	1	0	83.1	76.0	79.6	85	72						
MORILL POINT L.H.	.99	.39	20	6	0	0	87.2	68.8	78.0	91	67						
ORANGE RIVER	9.69	3.20	18	15	5	2	80.1	60.0	70.1	82	56	230.0			7	0	0
PALISADOES APT	.42	.35	12	2	0	0	86.4	72.4	79.4	90	70	248.9					
SMITHFIELD	1.95	.62	19	10	2	0	80.5	67.3	73.9	83	64	200.4					
<b>BR. HONDURAS</b>																	
BELIZE APT	9.36	1.96	19	18	7	3	82.9	71.3	77.1	86	65				0	3	0
<b>GUYANA</b>																	
BARTICA POT	11.68	1.44	6	15	15	5	88.6	70.6	79.6	91	68						
EBINI	11.86	2.14	5	23	9	3	85.1	70.1	77.6	88	67	112.9			3	2	0
GEORGETOWN B.O	11.57	3.05	5	21	7	4	83.0	73.5	78.3	85	71	170.7			1	0	0
HOSORORO	20.59	2.87	4	28	14	8	82.0	70.6	76.3	84	68						
KAITUR FALLS	18.68	1.86	18	28	16	7	79.1	67.8	73.5	82	64	67.0			1	12	0
KAMAKANG	8.27	1.08	23	23	8	1	80.0	66.1	73.1	83	62	66.0			1	3	0
LETHEM	.69	.32	3	5	0	0	89.3	71.8	80.6	92	70						
MABARUMA	21.58	3.56	4	30	15	7	82.1	69.5	75.8	85	67				1	3	0
MATTHEWS RIDGE	8.96	1.40	24	24	8	2	86.8	69.8	78.3	89	68						
MAZARUNI	10.36	1.37	28	19	9	3	85.4	71.5	78.5	88	70	104.7			0	6	0
MON REPOS	11.24	2.95	8	20	8	2	83.4	72.0	77.7	85	69	166.9					
NEW AMSTERDAM	9.21	2.65	7	20	7	3	84.8	72.5	78.7	88	71						
PORT KAITUMA	17.71	1.75	8	24	14	7	83.2	69.6	76.4	89	68				1	0	0
SKELDON FRONT							83.5	71.3	77.4	86	69	145.4					
ST. IGNATIUS							89.7	73.7	81.7	92	71						
TIMHRI APT	11.96	2.16	24	20	9	3	84.1	70.5	77.3	87	68				2	8	0
TIMHRI CHS	11.54	1.74	7	20	9	4	84.3	69.5	76.9	87	62						
VAUNA	19.88	2.34	4	29	15	7	82.2	69.4	75.8	86	65	91.0			0	7	0

TABLE III - SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS, JANUARY 1972

COUNTRY STATION	RUN OF WIND (in miles)		EVAPORATION (inches)		SOIL TEMPERATURES OF										TOTAL RADIATION (langleye)		
					At 2 inch depth					At 4 inch depth							
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN.	EXTREMES		MEAN MAX	MEAN MIN.	EXTREMES		TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY	
								MAX	DATE			MIN	DATE				MAX
TRINIDAD																	
CHATEAU	48	90	4.55	.23	24										11877	529	219
PIANCO APT	90	117	5.70	.32	24												
ST. AUGUSTINE UWI	100	124	2.79M	.20	4												
TOBAGO																	
CROVE POINT APT	60	112	6.33	.32	30												
LOUIS D'OR	25	52	5.47	.33	14												
GRENADA																	
MIRABEAU	86	120	4.32	.23	27												
BARBADOS																	
HUBBARDS CMI	131	197				81.3	65.0	91	21	67							
DOMINICA																	
ROSEAU CLF	105	204	4.04	.22	24										14553	596	296
MONTserrat																	
GROVE	192	276	8.27	.63	22										13089	613	209
ST. KITTS/NEVIS																	
NEEDSMUST	96	178															
BR. VIRGIN ISLANDS																	
PARAQUITO BAY	145	201	7.35	.31	11										13315	511	246



TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS JANUARY 1972

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	4 hours	12 hours
<b>TRINIDAD</b>								
CENTENO	.28	.42	.46	.56	.74	1.08	1.10	1.96
PIARCO APT	.28	.35	.42	.59	.80	1.06	1.34	1.67
ST.AUGUSTINE UWI		.29	.30	.44	.50	.53	.75	.80
<b>TORAGO</b>								
CROWN POINT APT	.13	.20	.24	.35	.44	.86	1.03	1.05
LOUIS D'OR		.46	.48	.76	1.08	1.63	1.83	2.05
<b>BARBADOS</b>								
HUSBANDS CMI	.16	.21	.30	.32	.39	.72	1.12	1.18
SEAWELL APT					.58	.68	.72	.72
<b>MONTSERRAT</b>								
GROVE	.12	.22	.30	.40	.40	.66	.70	.77
<b>JAMAICA</b>								
BODLES	.16	.27	.31	.35	.36	.36	.36	.36
MORTEGO BAY APT	.14	.26	.35	.35	.45	.54	.73	1.47
PALISADOES APT	.12	.20	.35	.35	.35	.35	.35	.35
SMITHFIELD	.17	.20	.22	.26	.31	.38	.43	.62
<b>GUYANA</b>								
EBINI	.20	.29	.34	.42	.50	.81	1.28	1.31
GEORGETOWN B.G	.24	.36	.50	.85	1.67	1.95	2.63	3.01
KAIETUR FALLS	.32	.44	.56	.65	1.03	1.54	1.85	1.86
KAMARANG		.17	.21	.28	.42	.54	.68	1.03
LETHEM	.16	.19	.21	.21	.21	.21	.30	.32
MATTHEWS RIDGE	.20	.35	.39	.40	.56	.64	.97	1.29
NEW AMSTERDAM	.32	.40	.52	.96	1.31	2.10	2.60	3.10
TINEHRI APT	.24	.30	.37	.50	.77	.85	1.13	2.03
TINEHRI CHS	.24	.35	.38	.42	.65	.92	1.42	1.44
WAUNA	.42	.69	.93	1.29	1.38	1.63	1.80	2.18

TABLE V - SUMMARY OF WINDSPEED RECORDS JANUARY, 1972

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LAST	DATE	33	47	63	
TRINIDAD												
PIARCO APT	08	18	14	3	11	33	1340	1	0	0	0	6.8
TOBAGO												
CROWN POINT APT	11	20	01	15	11	29	0040	1	0	0	0	7.4
BARBADOS												
HUSBANDS CMI	10	20	11	2	08	38	1140	24	20	0	0	10.6
ANTIGUA												
COOLIDGE APT	10	24	01	12	09	37	1645	12	14	0	0	16.4
GUYANA												
EBINI	01	15	18	14	07	34	1215	6	1	0	0	4.4
GEORGETOWN O.H.R	06	29	19	14	06	38	1840	14	2	0	0	12.7
KAITUR FALLS	05	7	15	11	05	16	1745	10	0	0	0	1.8
KANARANG	06	10	15	3	06	21	1430	3	0	0	0	1.4



TABLE VI - SUMMARY OF SUNSHINE RECORDS JANUARY 1972

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)												TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES					MORE THAN 12		
	0-5	5-7	7-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18					18-19	0-1-0	1-1-0	2-1-0	3-1-0		4-1-0	
	NIL	1	2	3	4	5	6	7	8	9	10	11					12	0	1	2	3		4	
<b>JAMAICA</b>																								
BODLES	0	5	77	84	92	90	83	88	85	71	68	64	14	0	254.3	73	10.5	9	0	2	4	13	12	0
DUCKENFIELD	0	1	52	79	84	81	91	81	81	81	72	44	2	0	232.2	67	10.4	10	0	1	4	16	10	0
FROME	0	11	69	86	81	82	83	80	68	65	43	25	1	0	214.9	62	10.5	15	0	3	5	17	6	0
MONTIGO BAY APT	0	0	59	78	70	67	78	82	86	84	77	52	0	0	226.7	65	9.8	3	0	3	4	14	10	0
MONYMUSK	0	0	17	71	79	85	85	90	86	91	84	51	1	0	237.4	68	9.5	22	0	1	2	22	5	0
ORANGE RIVER	0	0	28	72	75	76	80	93	89	87	76	62	5	0	230.0	66	9.9	31	0	2	5	20	4	0
SMITHFIELD	0	19	70	74	79	76	79	75	62	54	34	22	2	0	200.4	58	10.3	3	0	4	7	11	5	0
<b>GUYANA</b>																								
EBINI	0	6	23	31	34	39	45	38	39	39	29	26	12	0	112.9	31	8.8	1	0	12	15	4	0	0
GEORGETOWN B.G	0	0	43	49	61	62	64	65	65	51	44	42	4	0	170.7	47	9.8	19	0	7	9	9	6	0
KAMARANG	0	0	4	21	21	27	24	41	51	0	1	44	3	0	99.3	27	9.2	13	0	17	12	1	1	0
MAZARUNI	0	0	13	40	48	50	41	33	35	29	27	22	0	0	104.7	29	8.7	29	0	15	8	6	0	0
MON REPOB	0	5	38	46	56	61	65	64	62	54	46	36	6	0	166.9	46	10.4	19	0	8	8	13	2	0
WAUNA	0	6	26	40	26	30	30	26	25	25	23	26	8	0	91.0	25	9.9	25	0	18	8	4	1	0

A  
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British  
Honduras



Cayman Is.

Jamaica

Br. Virgin Is.

Anguilla

Barbuda

St. Kitts

Nevis

Antigua

Montserrat

Dominica

St. Lucia

St. Vincent

Grenadines

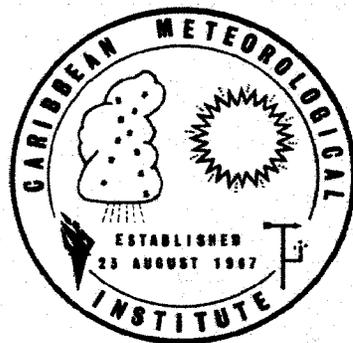
Barbados

Grenada

Tobago

Trinidad

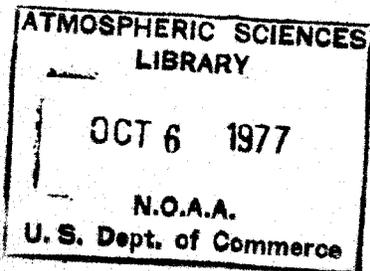
Guyana



Monthly

Weather

Summary



February 1972

MONTHLY WEATHER SUMMARY

Prepared and published by the  
Caribbean Meteorological Institute  
Husbands, St. James, Barbados, W.I.

February 1972

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TABLE 1. SUMMARY OF OBSERVATIONS AT FIXED HOURS FEBRUARY 1972

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY				MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (height)					VISIBILITY (No of Observations)						
			DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %			MEAN AMT	Number of Observations				yards						
										0	1, 2	3-5	6, 7	8	9	0	1-2	3-5	6-8	9-10
<b>TRINIDAD</b>																				
CENTENO	50	08	75.3	72.8	26.7	89														
FENAL	25	08	72.4	71.0	25.3	93														
PIARCO APT	41	02	71.2	69.9	24.3	93	1013.3	0.9	2	11	11	5	0	0	0	0	0	0	0	8
		08	74.0	71.7	25.5	89	1014.3	3.2	0	13	9	6	1	0	0	0	0	0	0	3
		14	82.8	73.7	24.2	65	1013.1	11.6	0	2	8	19	0	0	0	0	0	0	0	1
PIARCO APT	41	20	74.3	71.6	25.2	87	1013.4	3.6	0	13	8	7	1	0	0	0	0	0	1	1
ST. AUGUSTINE UWI	52	09	79.6	76.5	30.0	87	4.4													27
<b>TOBAGO</b>																				
CROWN POINT APT		02	74.2	71.3	24.9	86	1013.3	4.4	0	11	9	8	1	0	0	0	0	0	0	6
		08	77.6	71.5	25.9	80	1014.6	7.0	0	7	10	10	2	0	0	0	0	0	0	7
		14	82.2	75.4	27.1	72	1013.3	12.1	0	4	11	13	1	0	0	0	0	0	0	4
LOUIS D'OR	40	20	75.9	72.4	25.6	85	1013.7	4.9	0	10	8	11	0	0	0	0	0	0	0	3
		08	78.1	72.5	24.8	76	0.6													26
<b>GRENADA</b>																				
MIRABEAU	450	08	76.4	72.7	25.7	83		5.9	0	0	12	13	4	0						
		16	72.6	68.2	24.0	88		4.8	0	5	9	11	2	0						
<b>BARBADOS</b>																				
HUSBANDS CMI	370	08	76.1	70.5	23.2	70	1015.8	11.6	0	8	9	12	0	0	0	0	0	0	0	1
		14	79.9	69.0	22.7	65	1014.0	14.7	0	2	9	18	0	0	0	0	0	0	0	2
SEAWELL APT	183	02	75.5	72.4	25.8	86	1013.9	13.4	0	5	14	8	2	0	0	0	0	0	0	29
		08	77.0	72.6	25.4	80	1015.4	14.3	0	4	14	11	0	0	0	0	0	0	0	29
		14	80.3	74.1	26.1	74	1015.5	16.8	0	5	17	7	0	0	0	0	0	0	0	29
		20	76.3	72.9	26.1	84	1014.1	12.3	0	13	7	7	2	0	0	0	0	0	0	29
<b>ST. VINCENT</b>																				
CAMDEN PARK	15	08	78.9	73.4	26.0	77	1017.6													
		16	81.4	74.0	26.0	71														
<b>ST. LUCIA</b>																				
ROSEAU WINBAN		09	78.8	72.5	24.2	72	1014.9	9.4	0	3	21	5	0	0	0	0	0	0	0	0
VIGIE APT		08	76.2	70.9	23.7	77	1013.8	10.7	0	3	15	9	1	0	0	0	0	0	0	1
		14	80.3	72.5	23.8	67		4.8	0	3	15	9	1	0	0	0	0	0	0	27



TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS FEBRUARY 1972

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY				MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths)				VISIBILITY (No of Observations)					
			DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUMID %			MEAN AMT	Number of Observations			yards					
										0	1, 2	3-5	6, 7	8	9	0-149	150-200	200-1000
<b>JAMAICA</b>																		
IRWIN KINGSTON	80	13	81.4	74.2	25.5	70												
	90	07	70.9	67.5	21.7	84												
		13	83.4	74.4	25.2	65												
MARSHALLS PEN	2300	07	64.9	63.7	18.6	89	1013.6	3.0	6	13	1	6	0	3				
		13	75.3	68.1	19.8	66	1012.6	6.5	0	6	6	16	0	1				
WASON RIVER	2300	07	62.4	61.8	18.6	97												
		13	76.1	70.1	22.6	74												
		19	67.4	66.3	21.6	94												
MONTEGO BAY APT	5	01	70.4	67.4	21.7	85	1015.3	4.1	2.0	4	16	4	0	0	0	0	0	0
		07	69.5	66.6	21.3	87	1015.6	4.1	2.6	0	20	2	5	1	0	0	0	0
MONTEGO BAY APT	5	13	79.5	69.4	23.1	67	1015.3	13.3	2.9	0	18	5	5	1	0	0	0	0
		19	74.3	69.8	23.1	79	1014.8	5.7	4.2	0	10	8	10	1	0	0	0	0
MONYMUSK	30	07	75.3	71.2	24.3	81												
MORANT POINT L.H.	6	01	77.0	74.4	28.0	88	1017.0	12.2	3.1	2	10	14	3	0	0	0	0	0
		07	76.3	73.8	27.6	89	1017.5	13.7	4.0	1	10	10	7	1	0	0	0	0
MORANT POINT L.H.	6	13	81.0	76.8	29.6	82	1018.1	14.1	3.8	1	9	12	4	3	0	0	0	0
		19	78.5	75.4	28.7	86	1016.8	12.4	3.5	1	10	12	6	0	0	0	0	0
NEGRIL POINT L.H.	27	07	71.7	68.1	21.8	82	1014.6	4.2	3.0	2	17	5	3	2	0	0	0	0
		13	83.7	74.0	24.4	62	1014.8	10.7	3.1	0	16	7	4	2	0	0	0	0
		19	77.6	72.0	24.4	76	1013.8	6.0	4.8	1	8	5	9	6	0	0	0	0
ORANGE RIVER	980	08	69.2	67.2	21.9	90												
		16	77.7	70.9	23.2	72												
PALISADOES APT	10	01	76.9	71.5	23.8	75	1014.7	3.7	1.1	6	21	2	0	0	0	0	0	0
		07	75.8	70.5	23.4	77	1015.0	3.7	2.9	0	18	4	7	0	0	0	0	0
		13	84.1	75.0	26.1	65	1014.7	10.5	3.4	0	16	5	7	1	0	0	0	0
PALISADOES APT	10	19	79.5	72.2	24.4	71	1013.8	8.3	3.2	0	15	7	0	0	0	0	0	0
SMITHFIELD	925	08	72.9	68.8	22.1	80												
WORTHY PARK	1250	07	63.5	62.6	19.0	95												
		15	76.6	70.9	23.3	74												
<b>BR. HONDURAS</b>																		
BELIZE APT	17	06	68.7	67.6	22.8	95	1015.3	4.0	3.5	0	14	6	7	2	0	0	2	0
		12	79.4	72.1	23.8	69	1016.3	8.8	4.8	0	5	11	10	3	0	0	1	0
		18	77.0	71.9	24.6	78	1013.8	6.6	3.1	1	16	4	6	1	0	0	0	1

TABLE 1 SUMMARY OF OBSERVATIONS AT FIXED HOURS FEBRUARY 1972

COUNTRY	STATION	HEIGHT ABOVE MSL ft.	HOUR LST	MEAN TEMPERATURE AND HUMIDITY				MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (height)					VISIBILITY yards															
				DRY BULB		WET BULB				VAPOUR PRESS		REL HUM %	MEAN AMT	Number of Observations					yards											
				%	°f	%	°f			mb	%			0	1	2	3-5	6,7	8	9	0-40	40-100	100-2000	2000+	1/4-1	1-2	2-5	5-10	10 or more	
GUYANA																														
BARTICA POTARO RD		400	08	76.3	75.1	29.2	94																							
			14	85.2	76.7	27.6	67																							
EBINI		94	08	74.4	72.8	26.9	93	1013.4	2.0	5.6	0	5	3	19	2	0	0	0	0	0	0	0	0	0	0	7	17	5		
			14	83.7	74.6	25.3	64	1010.6	12.1	6.4	0	0	5	24	0	0	0	0	0	0	0	0	0	0	0	0	0	19	10	
GEORGETOWN BG		7	08	78.5	75.0	26.2	79	1013.7	6.6	5.7	0	3	7	18	1	0	0	0	0	0	0	0	0	0	0	1	7	21		
			14	81.6	75.0	26.7	73	1012.4	9.6	6.1	0	2	7	18	2	0	0	0	0	0	0	0	0	0	0	0	0	12	17	
HOSORORO			08	74.6	72.0	25.7	88																							
			14	80.9	74.2	25.9	72																							
KAIETUR FALLS			08	69.1	68.4	23.4	96																							
			14	77.7	71.6	23.7	73																							
KAMARANG																														
		1625	08	67.8	66.8	22.0	95	1016.7	0.3	6.7	0	0	4	17	8	0	0	0	0	0	0	0	0	0	0	0	2	12	14	
			14	77.9	71.0	22.8	70	1013.2	2.5	6.5	0	1	1	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	
LETHEM		326	08	77.0	72.6	25.4	80	1014.1	13.5	5.8	0	0	12	12	5	0	0	0	0	0	0	0	0	0	0	0	6	23		
			14	87.8	75.2	24.3	54	1011.8	13.9	5.7	0	1	7	21	0	0	0	0	0	0	0	0	0	0	0	0	1	28		
MABARUMA		168	08	74.2	72.4	26.3	91	1012.7	2.8	4.2	0	8	6	9	6	0	0	0	0	0	0	0	0	0	0	1	21	4		
			14	82.3	74.4	25.7	68	1011.5	6.3	6.0	0	0	8	19	2	0	0	0	0	0	0	0	0	0	0	0	1	10	18	
MATTHEWS RIDGE																														
			08	72.7	71.2	25.4	93																							
			14	82.4	75.4	27.0	71																							
MAZARUNI		47	08	74.9	73.0	26.9	91																							
			14	80.9	74.8	26.9	75																							
MON REPOS																														
			08	79.0	73.5	25.6	76																							
			14	82.7	75.0	26.3	69																							
NEW AMSTERDAM																														
		3	08	78.7	75.2	28.2	89																							
			14	84.0	77.2	28.9	73																							
PORT KAITUMA																														
			08	72.1	71.0	25.2	94																							
ST. IGNATIUS																														
			08	68.1	64.3	22.1	94																							
			08	78.1	74.6	27.5	84																							
SKELDON FRONT																														
		100	02	71.4	71.1	25.8	98	1011.8	0.1	4.1	2	8	6	10	2	0	0	0	0	0	0	0	0	0	0	1	1	10	16	
			08	74.4	73.0	26.9	93	1013.4	1.6	5.3	0	7	4	15	3	0	0	0	0	0	0	0	0	0	0	0	0	2	9	18
TIMEHRI APT			14	82.4	74.8	26.2	69	1011.7	10.4	6.6	0	0	3	24	2	0	0	0	0	0	0	0	0	0	0	0	0	5	24	
TIMEHRI APT																														
		100	20	73.8	72.4	26.6	93	1011.9	1.5	4.8	0	7	8	11	3	0	0	0	0	0	0	0	0	0	0	0	0	6	23	
TIMEHRI CHS																														
			08	74.4	73.2	27.4	70																							
			14	82.7	75.1	26.3	69																							
WAUNA																														
			08	72.5	71.8	26.4	97		0.9	4.3	0	8	10	9	0	0	0	0	0	0	0	0	0	0	0	0	2	18	5	
			14	82.0	74.6	26.0	70		10.2	5.9	0	0	12	9	5	0	0	0	0	0	0	0	0	0	0	0	2	2	22	



TABLE II SUMMARY OF DAILY OBSERVATIONS FEBRUARY 1972

COUNTRY STATION	RAINFALL (inches)			NUMBER OF DAYS WITH OR MORE THAN			AIR TEMPERATURE °F				MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH				
	TOTAL AMOUNT	MOST IN A DAY	DATE	-0.4	-40	1.00	MEAN MAX A	MEAN MIN B	MEAN $\frac{1}{2}(A+B)$	EXTREMES			THUNDER	FOG	HALE	GALE	
										MAX							MIN
<b>ST. KITTS/NEVIS</b>																	
CAINES	3.11	.67	27	11	4	0											
CUNNINGHAM	2.43	.58	3	10	1	0											
NEEDSMUST	2.34	.90	4	9	3	0											
WEST FARM	3.37	1.04	25	13	3	1											
<b>BR. VIRGIN ISLANDS</b>																	
PARAQUITO BAY	2.61	.62	5	11	2	0	81.7	72.2	77.0	84	68	219.7					
<b>JAMAICA</b>																	
ALLSIDES	2.82	1.37	13	8	2	1	77.5	63.3	74.8	80	60	242.0					
BERNARD LODGE	1.85	.91	11	5	2	0	86.2	63.3	74.8	91	56	243.2					
BODLES	2.25	1.12	6	5	2	1	85.1	59.2	72.2	89	65						
CAENWOOD	3.56	.84	19	14	2	0	79.7	69.8	74.8	86	47						
CEDAR VALLEY	2.72	.92	17	11	3	0	78.9	52.6	65.7	86	40						
CINCHONA GARDENS	5.88	1.62	20	14	6	1	67.4	52.8	60.1	72	58						
DALLAS	1.87	.87	6	5	2	0	78.6	60.1	69.4	88	62	64.3	231.4				
DUCKENFIELD	2.48	.57	28	11	2	0	83.7	68.4	76.1	86	66	227.6					
EAST ALBION	2.34	.81	6	8	2	0	84.9	68.8	76.9	89	61	219.7					
FROME	4.03	1.55	7	9	4	1	85.9	67.1	76.5	89	61						
GROVE PLACE	4.61	1.92	13	7	5	2	78.7			86							
HALLS DELIGHT	1.47	.64	21	7	1	0	71.6	59.9	65.8	79	55						
HOPE GARDENS	2.35	.61	28	9	3	0	87.4	62.3	74.9	89	60						
IRWIN	1.95	1.45	22	4	1	1	86.0	65.2	75.6	90	63						
KINGSTON	1.47	1.20	6	2	1	1	86.0	69.8	77.9	89	67						
MARSHALLS PEN	3.47	1.08	11	6	3	2	77.5	60.8	69.1	82	57	59.8	1	2	0	0	
MASON RIVER	3.94	1.16	13	8	3	2	77.8	58.7	68.2	85	54						
MORTEGO BAY APT	.57	.22	10	4	0	0	83.6	68.7	76.2	87	65	224.8	1	0	0	0	
MORNINGUSK	.23	.16	26	2	0	0	77.7	62.0	69.9	91	59	226.4					
MORANT POINT L.H	2.17	.67	6	6	2	0	82.3	72.9	77.6	85	62						

TABLE II SUMMARY OF DAILY OBSERVATIONS FEBRUARY 1972

COUNTRY STATION	RAINFALL (Inches)				AIR TEMPERATURE °F						TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH				
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH, OR MORE THAN			MEAN MIN	MEAN B	MEAN 1/2 (A+B)	EXTREMES		THUNDER	FOG	HAIL	GALE	
				.04	.40	1.00				MAX						MIN
<b>JAMAICA</b>																
NECRIL POINT L.H	2.74	.85	25	7	4	0	85.5	69.9	77.7	89	67	4	0	0	0	
ORANGE RIVER	5.88	.91	5	8	4	1	58.2	58.2	77.7	89	52					
PALISADOES APT	.66	.56	6	3	1	0	85.4	72.0	78.7	89	69					
SMITHFIELD	11.43	1.61	10	16	10	5	80.2	67.1	73.7	84	64					
WORTHY PARK	2.91	.90	11	8	3	0	81.2	60.8	71.0	85	58					
<b>BR. HONDURAS</b>																
BELIZE APT	1.74	.50	23	8	2	0	82.3	68.1	75.2	90	59	1	3	0	0	
<b>GUYANA</b>																
BARTICA POTARO RD	11.68	1.87	13	16	11	3	89.3	70.8	80.1	91	68					
EBINI	3.09	.67	25	13	3	0	86.5	69.0	77.8	90	64					
GEORGETOWN BG	4.40	1.27	25	12	4	2	83.1	74.3	78.7	84	68	2	6	0	0	
HOSORORO	4.90	1.98	25	10	3	2	84.2	69.9	77.1	86	67					
KAIETUR FALLS	6.17	1.08	14	20	7	1	80.5	66.9	73.7	84	59	0	11	0	0	
KAMARANG	5.11	.75	24	18	5	0	80.6	64.5	72.5	85	60					
LETHEM	.14	.06	7	2	0	0	90.3	71.4	80.9	93	70					
MABARUMA	7.45	2.07	25	16	6	2	84.6	69.2	76.9	86	67					
MATTHEWS RIDGE	6.79	1.06	14	18	7	1	88.1	69.4	78.8	89	66	0	3	0	0	
MAZARUNI	6.18	1.39	25	11	7	2	85.7	71.7	78.7	87	70	0	5	0	0	
MON REPOS	4.55	2.41	27	11	3	2	84.2	71.5	77.9	86	66					
NEW AMSTERDAM	2.88	.68	4	11	3	0	85.4	73.7	79.6	87	72					
PORT KAITUMA	6.93	1.21	25	12	8	2	85.6	68.2	76.9	88	64					
SKELDON FRONT	2.73	.64	25	13	2	0	83.9	72.6	78.3	85	68					
ST. IGNATIUS	.20	.11	15	2	0	0	90.0	74.0	82.0	93	72					
TIMEHRI APT	7.25	2.40	25	13	6	2	85.0	69.5	77.3	87	65	2	1	0	0	
TIMEHRI CHS	7.09	2.57	25	14	6	2	85.2	68.1	76.7	87	63					
WAUNA	4.91	1.59	25	16	2	2	84.7	66.9	75.8	87	62	1	3	0	0	

TABLE III-SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS FEBRUARY 1972

COUNTRY STATION	RUN OF WIND (in miles)			EVAPORATION (inches)			SOIL TEMPERATURES °F								TOTAL RADIATION (lang(st/s))		
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	At 2 inch depth		At 4 inch depth		EXTREME		TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY			
						MEAN	MAX	MEAN	MAX	MEAN	MIN						
						EXTREMES	EXTREMES	MAX	MIN	MAX	MIN						
TRINIDAD																	
CENTENO	43	110	5.54	.37	9										12541	573	245
PENAL	63	90	4.41M	.25	9												
PIARCO APT	84	121	6.77	.36	23												
ST.AUGUSTINE UWI	113	203	4.29	.23	28												
TOBAGO																	
CROWN POINT APT	72	105	6.78	.36	25												
LOUIS D'OR	17	39	5.73	.29	29												
GRENADA																	
MIRABEAU	67	100															
BARBADOS																	
HUSBANDS CMI	127	193															
ST.VINCENT																	
CAMDEN PARK	114	174													16081	678	395
DOMINICA																	
ROSEAU CLF	89	135	4.16M	.31	9										14272	626	250
MONTERRAT																	
GROYE	179	253	7.10	.33	7										13144	599	301
ST.KITTS/NEVIS																	
NEEDSMUST			5.44	.30	13												
BR.VIRGIN ISLANDS																	
PARAQUITO BAY															13543	572	209

TABLE III - SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS FEBRUARY 1972

COUNTRY STATION	RUN OF WIND (in miles)		EVAPORATION (inches)		SOIL TEMPERATURES OF								TOTAL RADIATION (langley's)				
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	At 2 inch depth				At 4 inch depth				TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY		
					MEAN		EXTREMES		MEAN		EXTREMES						
					MAX	MIN	MAX	MIN	DATE	MIN	MAX	MIN					
<b>JAMAICA</b>																	
BERNARD LODGE			5.39	.24	15												
BODLES	58	143	6.15	.34	21												
CEDAR VALLEY	30	49	3.73M	.37	2												
DUCKENFIELD			4.86	.34	20												
FROME			4.63	.29	4												
<b>GUYANA</b>																	
GROVE PLACE	43	97															
MONTIGO BAY APT	108	218	6.16	.27	29												
NEGRIL POINT L.H.			3.83	.18	21												
ORANGE RIVER	30	91															
PALISADOES APT	113	204	6.04	.51	19												
SMITHFIELD	74	130	3.88M	.25	21	82.1	65.9	87	5	61	78.3	68.1	82	66		13788	607
WORTHY PARK	47	114	4.31	.17	16												
<b>GUYANA</b>																	
EBINI	78	112	5.31	.27	21												
GEORGETOWN BG	95	141	5.03M	.28	20												
KAITUR FALLS	47	63	4.08M	.25	20												
KAMARANG	44	61	4.28	.23	5												
ST. IGNATIUS	226	481	11.92M	.67	1												
<b>GUYANA</b>																	
TIMEHRI CHS	61	84															
WAUNA	30	55	5.28	.25	10	90.5	74.2	97	24	72	86.6	76.2	90	74			

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS FEBRUARY 1972

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.15	.18	.26	.50	.62	.80	.80	.81
PEHAL	.16	.23	.30	.30	.50	.50	.50	.50
PIARCO APT	.16	.30	.41	.49	.55	.75	.76	.78
ST. AUGUSTINE UVI		.07	.16	.19	.23	.35	.36	.36
TOBAGO								
CROWN POINT APT	.16	.20	.24	.43	.45	.45	.55	.55
LOUIS D'OR	.16	.20	.20	.23	.24	.33	.50	.52
GREHADA								
MIRABEAU	.32	.48	.68	1.22	1.48	2.17	2.29	2.32
BARBADOS								
HUSBANDS CMI	.08	.12	.16	.22	.23	.36	.49	.75
SEAWELL APT				.20	.35	.47	.59	.73
MONTERRAT								
GROVE	.32	.37	.37	.37	.37	.37	.44	.56
JAMAICA								
MONTGO BAY APT	.07	.09	.09	.09	.16	.17	.22	.22
PALISADES APT	.17	.29	.41	.48	.51	.56	.56	.56
SMITHFIELD		.56	.60	1.12	1.29	1.49	1.60	1.60
GUYANA								
KBINI	.25	.36	.39	.45	.45	.45	.63	.67
GEORGETOWN BG	.16	.26	.29	.37	.41	.57	1.21	1.50
KAITUR FALLS	.11	.12	.16	.19	.29	.35	.44	.88
KAMARANG	.35	.42	.59	.62	.62	.65	.65	.66
LETHEM	.03	.04	.04	.05	.05	.06	.06	.06
MATTHEWS RIDGE	.34	.40	.54	.80	.86	.86	.97	1.28
NEW AMSTERDAM	.14	.14	.14	.20	.28	.54	.55	.68
SKELDON FRONT	.15	.16	.19	.24	.24	.35	.48	.48
TIMEHRI APT	.19	.38	.48	.65	.78	1.17	1.59	1.88
TIMEHRI CHS	.13	.22	.31	.58	.73	1.08	1.84	2.30
WAUNA	.21	.31	.40	.47	.78	1.17	1.59	1.59

TABLE V - SUMMARY OF WINDSPEED RECORDS FEBRUARY 1972

COUNTRY STATION	HIGHEST HOURLY WIND			HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED	
	DIRN	SPEED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63		
TRINIDAD												
PIARCO APT	09	16	16	2	08	30	1455	12	0	0	0	5.8
TORAGO												
CROWN POINT APT	09	18	13	8	10	25	1225	27	0	0	0	5.8
BARBADOS												
HUSBANDS CMI	10	20	16	3	11	36	0720	3	2	0	0	10.1
ANTIGUA												
COOLIDGE APT	11	21	01	2	12	32	0140	29	0	0	0	16.1
GUYANA												
EBINI	03	20	16	9	03	34	1430	15	1	0	0	5.6
GEORGETOWN ORR	04	23	20	9	06	29	1550	9	0	0	0	13.3
KAITUR FALLS	05	8	18	25	05	18	1720	25	0	0	0	2.3
KAMARANG	07	10	17	9	08	22	1605	9	0	0	0	1.6
WAUNA	08	13	12	6	08	25	1245	6	0	0	0	3.4

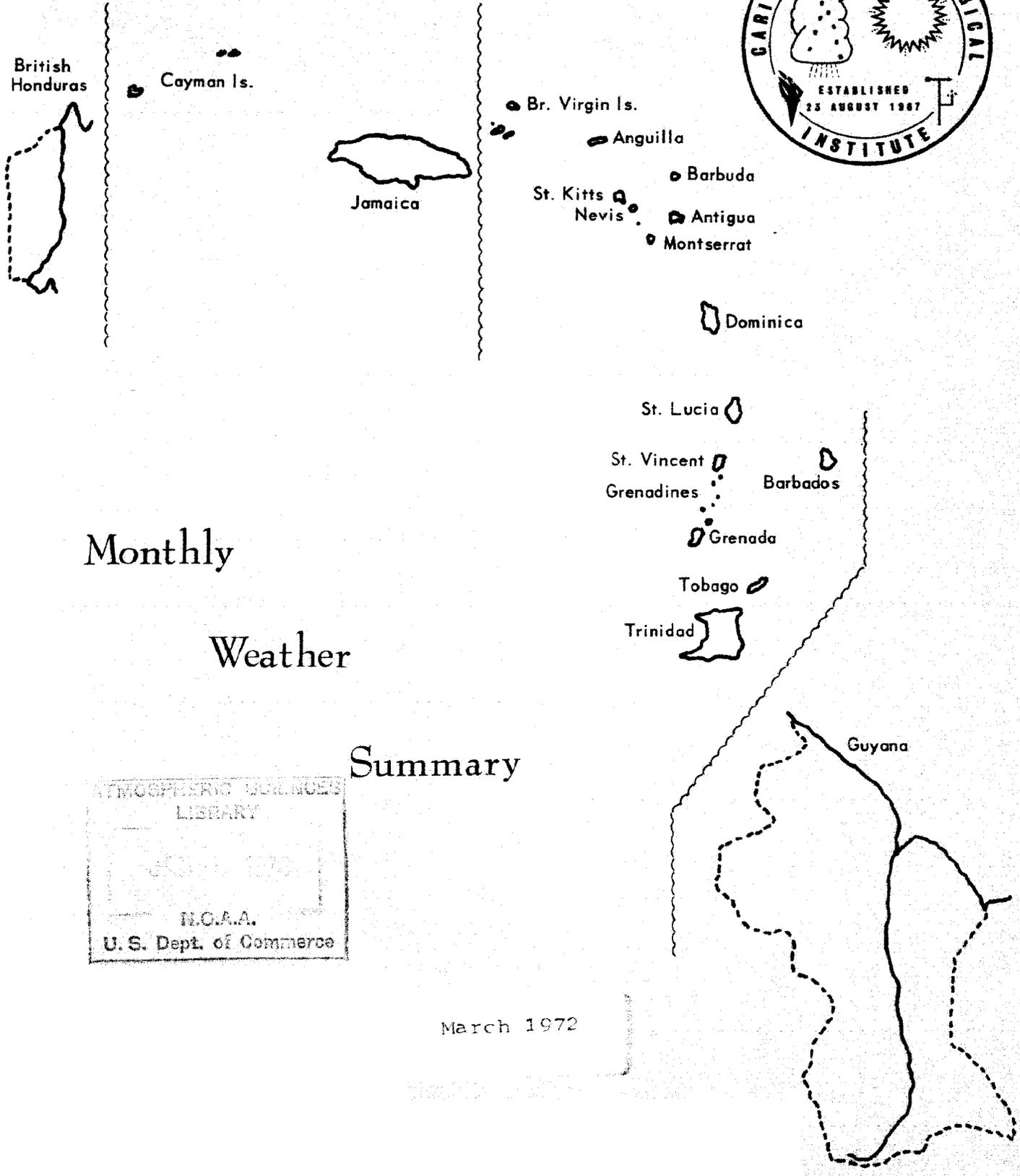
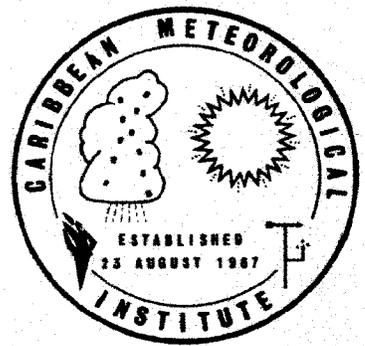
TABLE VI - SUMMARY OF SUNSHINE RECORDS FEBRUARY 1972

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)												TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)						DATE				
	0-1						1-2									0-1	1-2	2-3	3-4	4-5	5-6		6-7	8-9	10-12	MORE THAN 12
	0-1	1-2	2-3	3-4	4-5	5-6	0-1	1-2	2-3	3-4	4-5	5-6														
TRINIDAD																										
CENTENO	0	1	58	82	74	74	70	63	63	65	65	44	17	0	196.6	58	9.8	15	0	2	7	16	4	0		
PENAL	0	0	35	72	69	73	69	60	67	61	57	53	24	0	185.9	54	10.4	14	0	3	12	8	6	0		
PIARCO AIRPORT	0	33	77	83	78	78	68	63	67	64	66	58	18	0	218.5	64	11.2	24	0	1	7	14	7	0		
ST.AUGUSTINE UNI	0	33	83	93	88	81	72	73	75	71	64	61	19	0	236.1	69	11.4	25	0	1	5	11	12	0		
TOBAGO																										
CRDNW POINT APT	0	30	72	84	85	85	79	85	74	74	70	70	33	0	243.9	71	11.3	25	0	0	6	8	15	0		
LOUIS D'OR	0	18	59	77	86	88	82	85	90	88	75	63	3	3	236.2	69	10.7	25	0	0	3	13	13	0		
GRENADA																										
MIRABEAU	0	25	68	78	84	83	78	80	81	82	62	38	7	0	221.7	65	10.4	19	0	1	4	15	9	0		
BARBADOS																										
HUSBANDS CMI	0	19	63	75	78	82	84	83	85	83	80	57	41	0	240.9	71	10.9	18	0	1	2	13	13	0		
SEAVELL APT	0	19	62	69	78	81	88	93	90	87	85	78	33	0	251.7	74	10.6	12	0	0	4	8	15	0		
DOMINICA																										
MELVILLE HALL APT	0	4	52	66	73	77	82	76	76	70	58	30	1	0	192.7	57	9.4	12	1	1	7	18	2	0		
ROSEAU CLF	0	2	25	61	60	76	86	84	89	81	84	77	37	0	217.7	65	10.5	12	1	1	3	18	6	0		
MONTERRAT																										
GROVE	0	0	18	53	68	68	70	82	78	77	79	71	23	0	199.1	59	10.3	16	0	2	7	16	4	0		

TABLE VI - SUMMARY OF SUNSHINE RECORDS FEBRUARY 1972

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)												TOTAL DURATION (hours)	PERCENT POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					MORE THAN 12			
	0-1		1-10		11-20		21-30		31-40		41-50						NIL	0-1	1-2	3-4	5-6		7-8	9-10	11-12
	0	1	0	1	0	1	0	1	0	1	0	1													
BR. VIRGIN ISLANDS																									
PARAQUITO BAY																									
JAMAICA																									
BODLES																									
0	16	90	90	91	94	86	79	68	63	46	26	0	243.2	73	10.9	26	0	1	4	8	16	0			
0	17	71	83	87	85	84	82	80	79	71	58	2	231.4	69	10.2	15	0	3	3	10	13	0			
0	26	72	83	87	82	82	80	80	72	69	4	0	227.6	68	10.8	2	0	2	3	9	14	0			
0	15	77	93	93	87	83	79	74	50	46	11	0	219.7	66	10.5	5	0	2	6	12	9	0			
0	13	79	85	88	90	87	87	84	73	53	32	3	224.8	67	10.3	29	0	3	0	19	7	0			
MORNINGMUSK																									
0	1	55	84	88	87	82	87	83	79	64	51	9	226.4	68	10.1	26	0	0	5	16	8	0			
0	2	58	87	86	85	85	89	61	56	57	44	8	172.8	52	9.8	4	1	6	6	12	4	0			
ORANGE RIVER																									
0	35	84	87	90	86	86	83	81	71	64	56	12	242.7	72	10.9	18	0	3	2	8	16	0			
PALISADOES APT																									
0	40	48	83	80	86	84	73	60	45	35	23	10	206.7	62	10.6	18	0	3	6	11	9	0			
SMITHFIELD																									
GUYANA																									
EBINI																									
0	9	42	50	51	49	47	44	42	42	43	40	14	136.6	39	8.3	17	0	11	6	12	0	0			
0	12	62	68	72	60	74	71	70	69	65	54	16	207.1	60	11.0	22	0	4	5	9	11	0			
GEORGETOWN BG																									
0	5	15	32	42	47	48	48	58	65	54	53	24	142.4	41	9.6	12	0	8	13	5	3	0			
KAMARANG																									
0	11	47	71	74	77	75	69	63	62	60	43	19	194.5	56	10.7	11	0	4	5	10	10	0			
MON REPOS																									
0	12	43	52	63	67	65	70	78	76	65	56	13	191.0	55	10.9	12	0	6	3	13	7	0			
SKELDON FRONT																									
0	11	50	70	58	62	69	64	58	55	58	40	17	177.6	51	10.9	21	0	5	8	13	3	0			
WAUNA																									

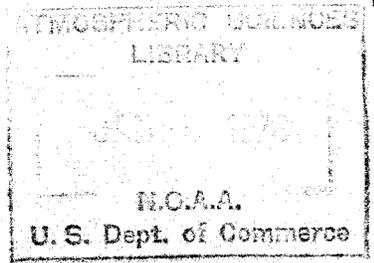
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Monthly

Weather

Summary



March 1972

MONTHLY WEATHER SUMMARY

Prepared and published by the  
Caribbean Meteorological Institute  
Husbands, St. James, Barbados, W.I.

March 1972

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TABLE II SUMMARY OF DAILY OBSERVATIONS MARCH 1972

COUNTRY STATION	RAINFALL (inches)			AIR TEMPERATURE °F					NO. OF DAYS WITH			TOTAL SUNSHINE DURATION HR			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH, OR MORE THAN			MEAN MIN B	MEAN MAX A	EXTREMES		THUNDER		FOG	HAIL	SALE
				-0.4	-0.0	1.00			MAX	MIN					
<b>ST. KITS/NEVIS</b>															
CAINES	9.99	4.42	23	14	7	2									
CUNNINGHAM	5.12	1.80	22	12	4	1									
LA GUERITE	3.98	1.25	23	11	4	1									210.6
NEEDSMUST	2.88	1.12	23	10	2	1		67.1							
WEST FARM	4.97	2.45	23	12	3	1									
<b>BR. VIRGIN ISLANDS</b>															
PARAQUITO BAY	1.83	.41	1	7	1	0	82.3	71.3	76.8	86	66				213.8
<b>JAMAICA</b>															
ALLSIDES	8.52	5.03	10	9	4	2	77.7								175.1
BERNARD LODGE	1.40	.42	5	1	0	0	87.0	64.0	75.5	90	60				246.7
BODLES	3.99	1.89	10	8	2	2	85.0	59.6	72.3	88	55				262.4
CAENWOOD	7.48	3.35	10	10	5	2									
CEDAR VALLEY	7.37	1.80	10	14	5	3	78.8	56.1	67.5	82	48				
<b>CINCHONA GARDENS</b>															
DALLAS	12.44	5.70	11	13	7	3	67.5	53.6	60.6	74	50				
DUCKENFIELD	2.42	.90	10	8	2	0	62.4								
EAST ALBION	6.58	1.90	16	9	5	4	83.5	67.9	75.7	87	63				230.4
FARM HILL	1.88	.79	15	6	2	0	85.6	69.0	77.3	89	65				231.3
FROME	2.16	1.11	5	9	2	1	74.2	60.8	67.5	79	58				
GROVE PLACE	1.46	1.14	3	6	1	1	85.2	66.6	76.4	89	61				243.4
HOPE GARDENS	5.32	1.36	27	7	4	3	81.6								
IRWIN	1.36	.46	5	6	1	0	88.8	63.1	76.0	92	60				
KINGSTON	6.75	25.3	16	10	4	3	86.6	65.5	76.1	94	60				
MARSHALL PEN	4.36	1.65	5	8	3	2	84.8	70.0	77.4	88	65				
MASON RIVER	12.17	3.32	26	11	6	5	77.7	60.5	69.1	81	54				2
MONTIGO BAY	1.91	.56	19	7	1	0	78.4	59.4	68.9	82	55				1
MONTYMUSK	4.37	1.74	16	8	4	1	84.3	68.9	76.6	89	66				0
MORANT POINT LH	4.06	1.50	12	5	3	2	87.9	62.6	75.3	90	57				257.6
	7.55	3.00	16	10	4	3	83.0	72.5	77.8	87	64				

TABLE II SUMMARY OF DAILY OBSERVATIONS MARCH 1972

COUNTRY STATION	RAINFALL (Cinches)				NUMBER OF DAYS WITH, OR MORE THAN				AIR TEMPERATURE °F				MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE		-0.4	-0.4	1.00	A	B	C	D	E			F	G	H	I
			11	12														
<b>JAMAICA</b>																		
NEGRIL POINT LH	4.86	1.76	9	7	4	2	85.9	59.4	77.7	89	63							
ORANGE RIVER	3.17	.77	11	12	2	0	55.4				48			228.8				
PALISADOES APT	1.19	.41	8	4	1	0	85.8	73.1	79.4	91	69			256.8				
SMITHFIELD	7.72	1.65	1	10	7	4	80.4	66.9	73.7	87	64			221.5				
WORTHY PARK	2.36	1.44	27	9	1	1	82.4	62.0	72.2	86	57			190.2				
<b>BR. HONDURAS</b>																		
BELIZE APT	2.14	.78	11	4	3	0	85.1	71.4	78.3	96	76			264.5				
<b>GUYANA</b>																		
BARTICA POTARO RD	21.06	2.91	21	23	15	7	88.0	71.4	79.7	91	68							
EBINI	8.65	1.50	12	23	9	2	86.9	70.8	78.9	90	68			112.2		16	6	
GEORGETOWN BG	5.98	2.12	9	12	4	2	84.1	75.1	79.6	87	71		71.1	176.4				
HOSORORO	5.91	1.48	15	13	6	2	85.1	71.7	78.4	88	70							
KAIETUR FALLS	20.45	4.90	26	7	10	8	80.8	68.9	74.9	86	66					1	10	
KAMARANG	6.56	1.02	12	7	19	4	82.5	66.8	74.7	86	64			118.5		8	0	
LETHEM	3.01	1.32	12	25	3	2	90.2	72.5	81.4	94	68					6	0	
MABARUMA	6.74	1.11	14	13	12	4	85.8	70.5	78.2	89	68					2	0	
MAHAICONY	7.09	2.90	9	20	6	3	84.3	74.5	79.4	86	72			183.5				
MATTHEWS RIDGE	10.59	2.22	16	9	14	4	88.5	70.0	79.3	89	69							
MAZARUNI	7.91	1.42	25	13	11	5	86.6	71.1	78.9	88	70			115.1		2	4	
MON REPOS	6.90	2.15	9	20	6	2	84.8	72.5	78.7	87	69			183.4				
NEW AMSTERDAM	8.89	3.04	9	18	9	1	86.1	73.7	79.9	88	72							
PORT KAITUMA	10.61	2.44	16	11	10	8	86.7	70.5	78.6	91	66							
ST. IGNATIUS	4.49	2.24	12	23	4	3	86.8	74.3	80.6	94	70							
SKELDON FRONT	7.09	1.70	9	14	12	3	84.8	73.4	79.1	88	70			159.2		8	2	
TIMEHRI APT	13.44	3.54	13	15	11	1	85.9	71.6	78.8	90	68							
TIMEHRI GHS	13.23	3.99	13	16	10	1	86.1	70.9	78.5	89	67							
WAUNA	6.46	1.74	15	14	12	3	86.3	69.0	77.7	90	65			136.0		3	5	



TABLE III - SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS MARCH 1972

COUNTRY STATION	RUN OF WIND (in miles)		EVAPORATION (inches)		SOIL TEMPERATURES OF						TOTAL RADIATION (langley)	
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	At 2 inch depth:		At 4 inch depth:		TOTAL AMOUNT IN A DAY	MOST IN A DAY	LEAST IN A DAY	
					MEAN MAX	MEAN MIN	MEAN MAX	MEAN MIN				
JAMAICA												
BODLES	52	101	7.40	.37								
CEDAR VALLEY	25	43	5.04M	.26								16469 670 397
DUCKENFIELD			5.05	.29								
EAST ALBION			6.53	.39								
FARM HILL	27	80	2.12	.26								
FRONE			4.92H	.30								
GROVE PLACE	28	101										
MORTEGO BAY APT	98	204										
NECHIL POINT LH			3.89	.18								
ORANGE RIVER	24	60	4.73	.25								
PALISADOES APT	96	209	7.93	.47								
SMITHFIELD	70	110	4.91	.28					84.5	67.3	89	7 64 80.7 69.6 85 67
WORTHY PARK	58	224	4.58	.18								
GUYANA												
EBINI	69	116	5.47	.29								
GEORGETOWN BG	78	137	5.53	.25								89.0 80.1 94 78
KAIETUR FALLS			3.93	.19								
KAMARANG	40	64	4.72	.25								
MAHAICONY			5.56	.30								
ST. IGNATIUS												
TIMHRI GHS	169	361										
WAUNA	49	88										
	20	52	5.37	.33					91.7	76.0	98	2 73 88.0 77.5 93 74

TABLE IV -- SUMMARY OF RAINFALL INTENSITY RECORDS MARCH 1972

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	3 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.52	.76	.84	.87	.88	1.08	1.91	2.08
PENAL	.38	.48	.58	.72	.86	1.44	1.90	1.90
PIARCO APT	.19	.36	.50	.63	.81	.99	1.36	1.57
ST. AUGUSTINE UMI		.30	.38	.58	.65	.66	.87	.87
TOBAGO								
CROWN POINT APT	.13	.26	.35	.53	.65	.68	.85	1.33
LOUIS D'OR	.20	.40	.42	.75	.95	1.13	1.13	1.16
BARBADOS								
HUSBANDS CMI	.12	.24	.30	.46	.74	.78	1.24	1.30
SEAWELL APT			.20	.21	.21	.21	.21	.21
MONTSERAT								
GROVE	.29	.40	.52	.65	.80	1.06	1.14	1.14
JAMAICA								
BODLES	.40	.62	.63	.95	1.17	1.85	1.89	1.89
MONTEGO BAY APT				.78	1.01	1.64	1.74	1.74
ORANGE RIVER	.16	.19	.23	.27	.49	.71	.77	.77
PALISADOES APT	.10	.14	.21	.41	.41	.41	.41	.41
SMITHFIELD	.35	.64	.64	.82	.88	.88	1.64	1.65
GUYANA								
EBINI	.30	.38	.52	.76	1.24	1.47	1.48	1.49
GEORGETOWN BG	.18	.36	.47	.50	.75	1.12	2.00	2.12
KAMARANG	.21	.28	.33	.35	.40	.41	.78	.84
LETHEM	.16	.24	.32	.56	1.03	1.18	1.32	1.32
MAHAICORY	.18	.32	.38	.46	.59	1.12	2.56	2.68
MATTHEWS RIDGE	.33	.61	.79	1.06	1.72	2.00	2.22	2.22
NEW AMSTERDAM	.20	.61	.86	.86	1.21	1.70	2.24	2.37
SKELDON FRONT	.31	.45	.53	.61	.92	1.32	1.60	1.60
TIMHERRI APT	.34	.98	.98	1.27	2.37	2.93	3.23	3.52
TIMHERRI CHS	.37	.98	.98	1.77	2.95	3.45	3.81	3.98
WAUNA	.50	.60	.80	.96	1.49	1.60	1.61	1.66

TABLE V - SUMMARY OF WINDSPEED RECORDS MARCH 1972

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIR	SPEED	HOUR ENDED	DATE	DIR	SPEED	TIME LST	DATE	33	47	63	
TRINIDAD												
PIARCO APT	08	16	16	1	07	30	0950	8	0	0	0	5.4
TOBAGO												
CROWN POINT APT	11	17	14	2	09	27	1840	7	0	0	0	7.2
BARBADOS												
HUSBANDS CMI	11	21	10	2	11	41	0940	2	6	0	0	9.9
ANTIGUA												
COOLIDGE APT	12	20	10	1	09	38	1455	1	1	0	0	10.6
GUYANA												
EBINI	12	15	13	29	09	27	1225	6	0	0	0	4.0
GEORGETOWN ORR	08	28	20	4	08	33	1935	4	0	0	0	12.3
KAIETUR FALLS	05	7	17	31	05	17	1605	31	0	0	0	1.9

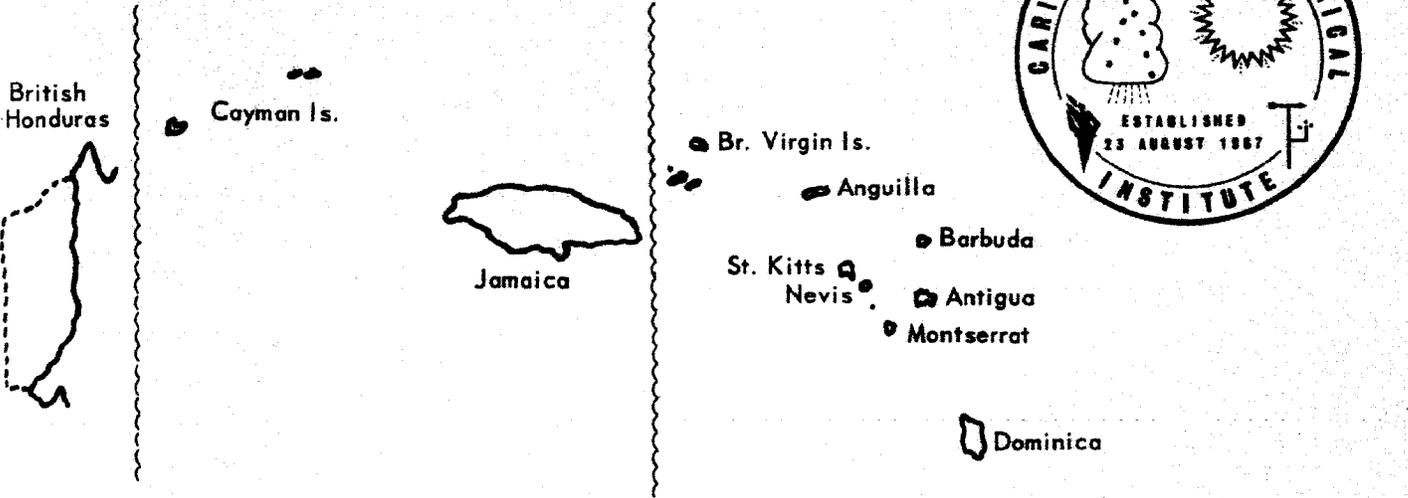
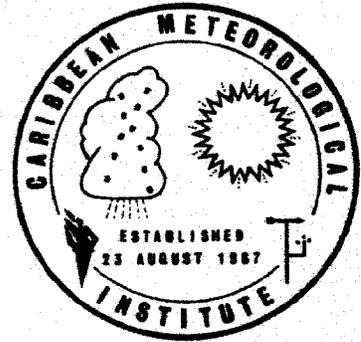
TABLE VI - SUMMARY OF SUNSHINE RECORDS MARCH 1972

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)												TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)								
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12					0-1	1-2	3-4	5-6	7-8	9-10	MORE THAN 12		
<b>TRINIDAD</b>																									
CENTENO		0	0	16	55	65	60	58	60	53	53	47	24	1	0	153.1	42	9.2	7	1	8	6	14	1	0
PENAL		0	0	19	66	61	56	64	53	52	45	47	29	1	0	152.9	41	9.1	5	1	8	11	8	3	0
PIARCO APT		0	20	63	73	71	63	57	59	57	56	57	52	13	0	198.8	53	10.7	5	0	8	5	9	9	0
ST. AUGUSTINE UWI		0	16	64	74	75	72	65	64	62	58	59	53	16	0	209.9	56	10.9	30	0	5	7	9	10	0
<b>TOBAGO</b>																									
CROWN POINT APT		0	21	57	68	74	75	66	74	73	62	57	52	28	0	222.5	59	11.2	23	1	3	7	6	14	0
LOUIS D'OR		0	2	47	62	66	71	76	80	81	70	62	41	1	0	204.7	55	9.9	11	1	5	2	13	10	0
<b>BARBADOS</b>																									
HUSBANDS CHI		0	6	61	74	79	75	75	75	74	75	69	57	13	0	227.3	61	10.9	6	0	4	5	8	14	0
SEAWELL APT		0	10	61	75	84	79	81	82	83	81	75	69	17	0	247.3	66	10.4	11	2	2	4	5	18	0
<b>DOMINICA</b>																									
MELVILLE HALL APT		0	2	53	67	78	83	84	83	76	64	55	38	1	0	209.8	57	9.9	28	0	3	9	14	5	0
ROSEAU CLF		0	1	50	74	72	80	85	85	89	89	88	59	3	0	238.2	64	10.3	11	0	1	5	14	11	0
<b>MONTserrat</b>																									
GROVE		0	1	19	47	73	81	75	77	85	76	67	44	3	0	200.8	54	9.1	16	0	3	8	19	1	0
<b>ST. KITTS/NEVIS</b>																									
LA GERRITE		0	9	70	82	90	90	88	94	84	76	70	68	23	0	210.6	70	10.5	12	0	0	3	8	14	0

TABLE VI - SUMMARY OF SUNSHINE RECORDS MARCH 1972

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)												TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					MORE THAN 12		
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12												
	0	1	2	3	4	5	6	7	8	9	10	11												
<b>BR. VIRGIN ISLANDS</b>																								
PARAQUITO BAY	0	9	53	74	73	67	67	72	65	64	65	62	24	0	213.8	58	10.5	17	1	4	7	11	8	0
<b>JAMAICA</b>																								
BODLES	0	24	77	89	69	89	91	87	79	79	60	52	30	0	262.4	70	11.4	28	0	2	4	12	13	0
EAST ALBION	1	14	68	80	81	80	81	75	70	69	60	51	13	3	231.3	62	10.8	27	1	1	4	10	12	0
FROME	0	39	85	95	89	91	85	84	67	57	51	45	21	0	243.4	68	10.5	6	0	1	3	14	9	0
ORANGE RIVER	0	2	70	83	85	83	80	80	74	64	49	47	21	0	228.8	61	10.7	29	0	1	8	14	8	0
PALISADOES APT	0	43	80	81	86	79	81	80	77	78	66	58	21	0	256.8	69	11.6	29	0	2	4	10	13	0
<b>BR. HONDURAS</b>																								
BELIZE APT	0	11	73	84	88	90	89	88	93	90	84	76	14	0	264.5	73	10.5	18	0	1	2	4	23	0
<b>GUYANA</b>																								
ERINI	0	1	22	29	44	43	39	41	43	35	34	26	4	0	112.2	30	8.3	29	2	9	17	3	0	0
GEORGETOWN BO	0	3	26	54	68	65	75	70	65	53	53	33	5	0	176.4	47	9.8	5	1	6	8	10	6	0
KAMARANG	0	0	5	22	28	29	35	45	60	67	59	29	3	0	118.5	32	7.7	29	0	10	14	16	0	0
MAHAICONY	1	5	28	52	61	64	67	74	72	69	57	37	5	0	183.5	49	10.0	29	1	4	6	14	5	0
MAZARUNI	0	0	6	35	55	57	57	51	40	30	31	12	0	0	115.1	31	8.9	20	2	11	10	7	0	0
MON REPOS	0	1	33	58	67	70	75	72	64	57	54	37	3	0	183.4	49	9.4	31	1	5	4	17	4	0
SLEDON FRONT	0	2	30	51	64	59	63	57	60	54	45	57	1	0	159.2	43	9.7	21	0	7	13	9	2	0
WAUNA	0	1	27	48	52	58	54	46	43	37	40	30	3	0	136.0	36	9.7	5	1	13	5	9	3	0

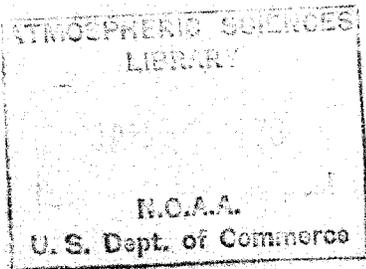
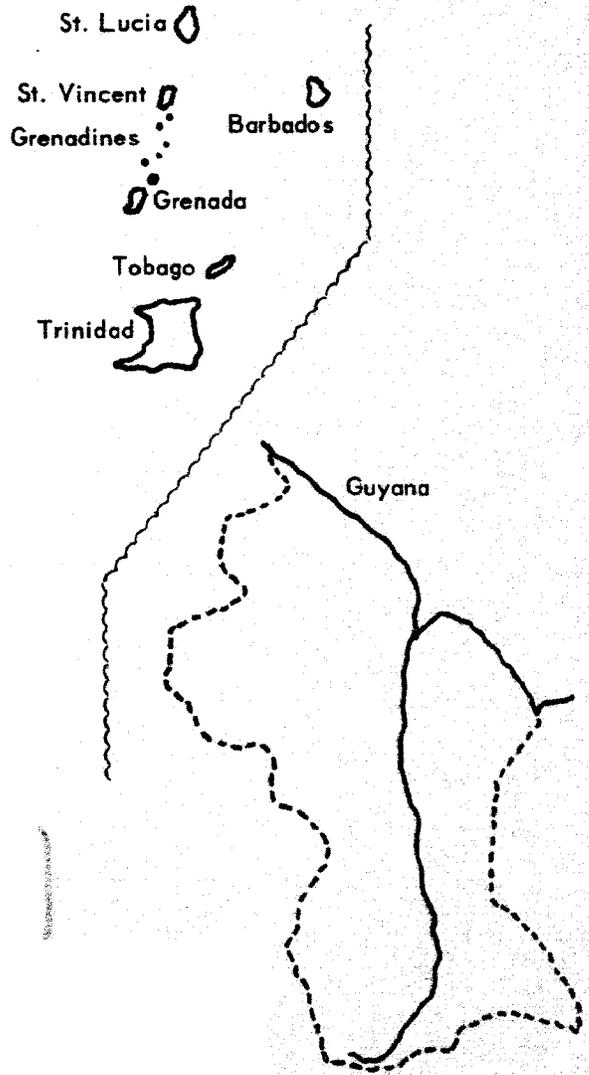
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Monthly

Weather

Summary



April 1972

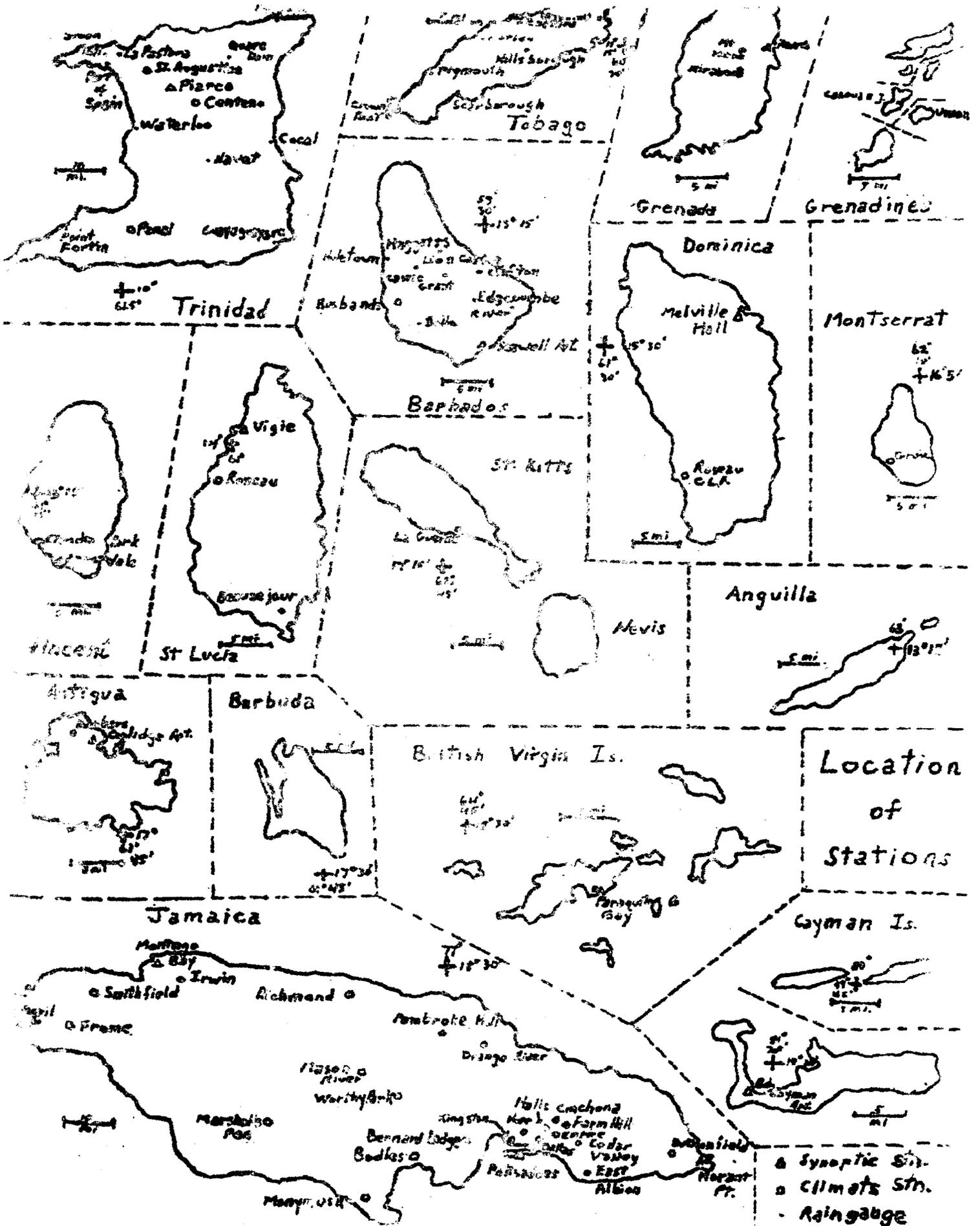
**MONTHLY WEATHER SUMMARY**

Prepared and published by the  
Caribbean Meteorological Institute  
Husbands, St. James, Barbados, W.I.

**April 1972**

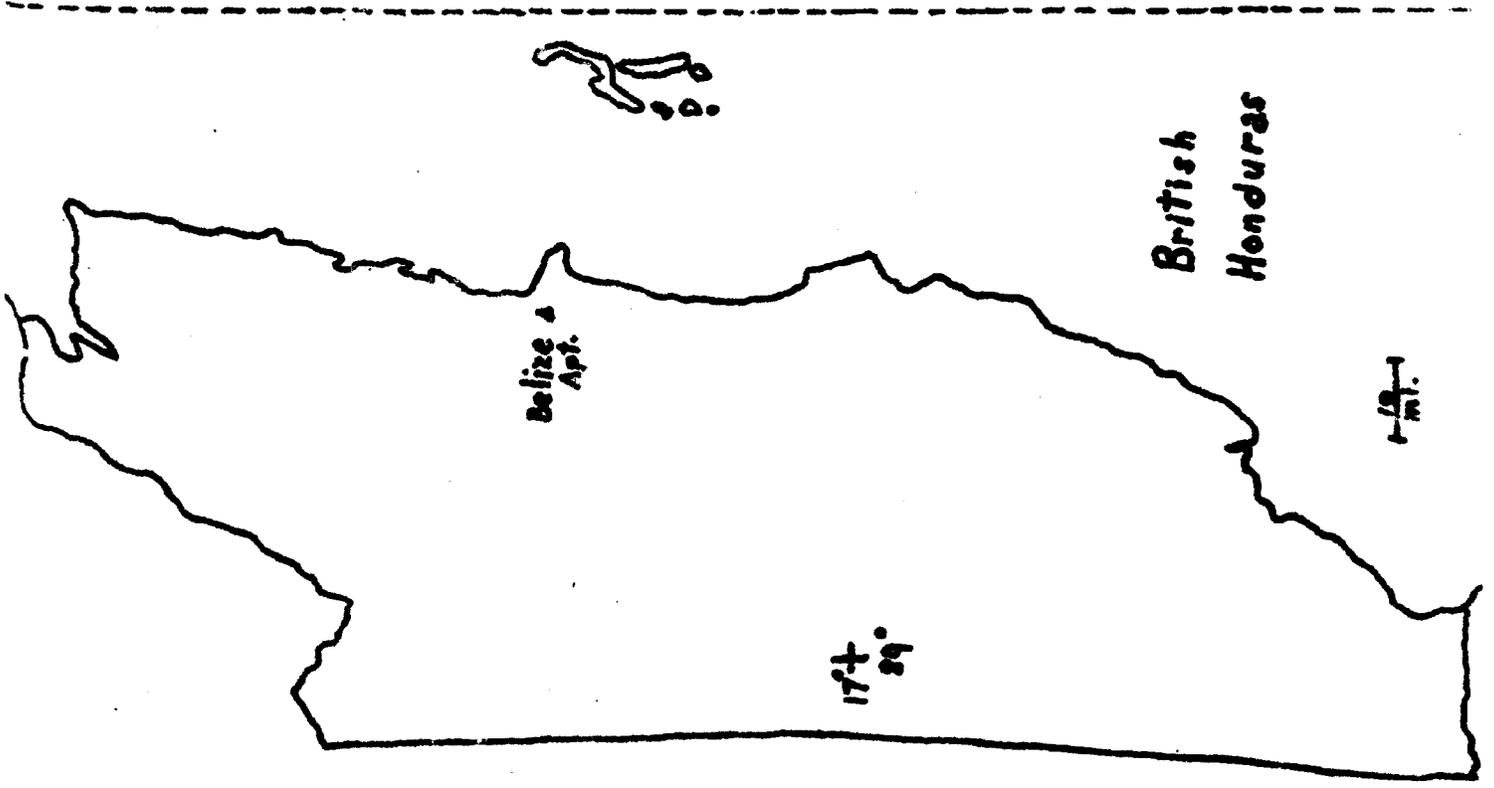
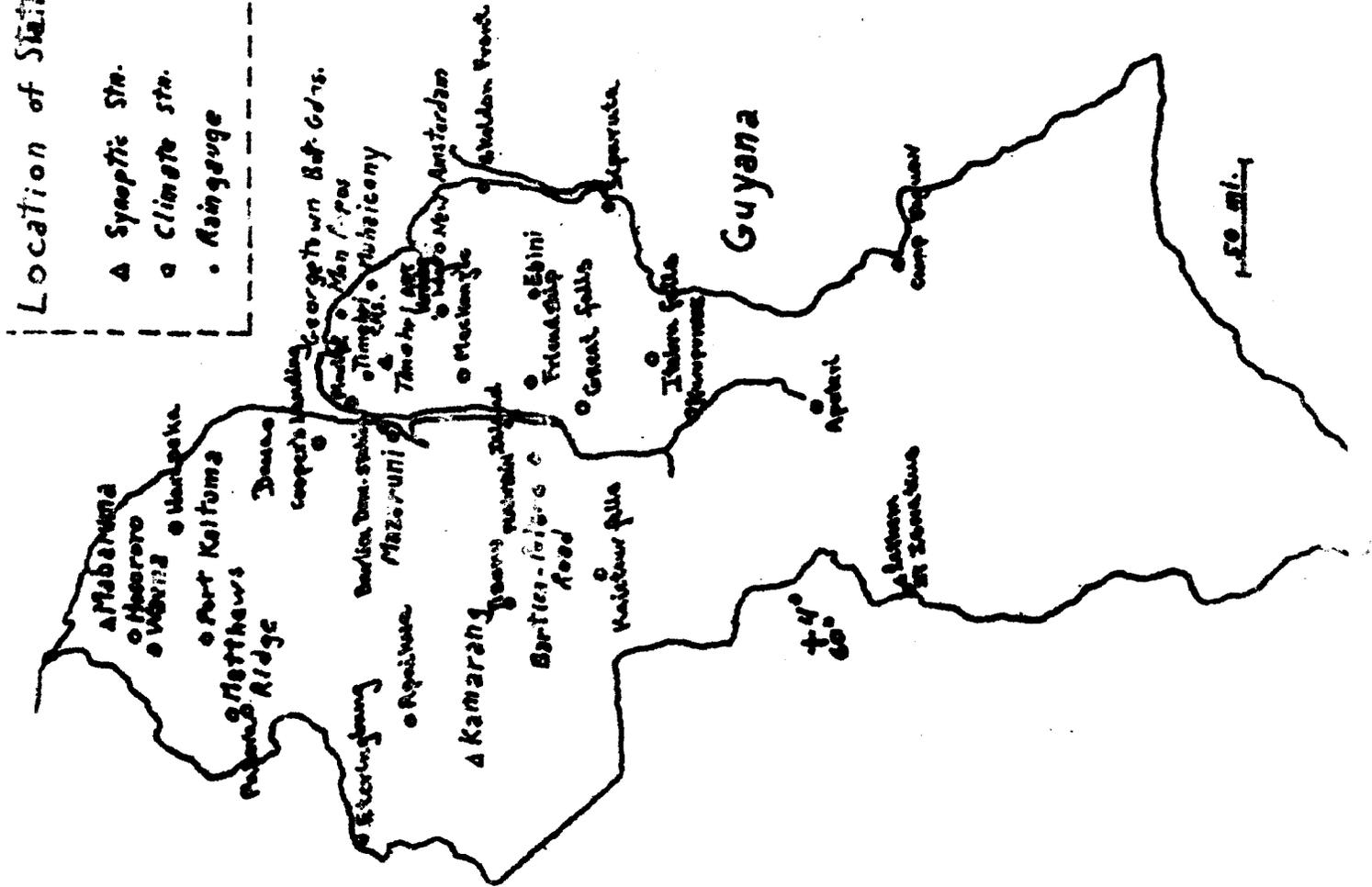
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Location of Stations

- △ Synoptic Sta.
- Climate sta.
- Rain gauge



## NOTES ON THE OBSERVATIONS AND SUMMARIES

### GENERAL

1. The maps show the approximate location of the stations, including some that are in the process of being established and others from which returns are sometimes delayed. Thus in any particular month summaries for a station may not appear in the tables. It is expected that supplementary tables, incorporating previously missed observations, will be added from time to time. A complete station list is published in the January issue each year.
2. Thermometers are exposed in louvred wooden screens with their bulbs approximately 4 feet above the ground. Forced ventilation of the wet and dry bulb thermometers is not generally used.
3. At most stations the raingauge has its rim 1 foot above the ground but in Guyana this height is generally one metre. Most of the standard gauges are 5 inches in diameter; the recording gauges, usually of the tilting-syphon or natural-syphon types, are either 5 or 6 inches in diameter.
4. Local Standard Time (LST) in Belize is 6 hours behind Greenwich Mean Time (GMT); in Jamaica and the Cayman Islands, it is 5 hours behind, and in the rest of the countries, it is 4 hours behind. For some of the daily observations the unit of time is the calendar day; for others, it is the 24-hour period commencing at the time of the morning observation on that date and called the "Climate day".
5. In each summary table, stations are arranged in alphabetical order within countries. The countries are arranged in geographical order commencing with Trinidad, then moving northwards and westwards along the island chain through Jamaica and the Cayman Islands to Belize, and concluding with Guyana.
6. A blank space indicates that data are not available, or were considered unreliable.

### TABLE I

1. This table gives summaries of observations made at fixed hours, LST. At synoptic stations these are the main synoptic reporting hours (00, 06, 12, 18h GMT). At other stations they are the one or two hours at which observations are made each day.

## II

2. The mean dry bulb and wet bulb temperatures are the averages of the 30 or 31 (28 or 29 for February) daily values as measured at that time of day. The mean vapour pressure is similarly the average of the 30 or 31 computed daily values. On the other hand, the mean relative humidity is computed as the ratio of the mean vapour pressure to the saturation vapour pressure at the mean dry bulb temperature.

3. Barometric pressure is generally measured only at synoptic stations. The values given are the means of the 30 or 31 daily observations at that time, each reduced to mean sea level before being averaged.

4. The observation hour windspeed is generally read from an indicator, but at some stations it is taken from the anemograph chart. The average of the 30 or 31 daily values is given in this table. They must be considered as indicating only the mean speed during the month for a particular time of day, and a mean daily windspeed should not in general be calculated from them. This is particularly true of stations with only one or two hourly observation times, and at those where the four synoptic hour values indicate a significant diurnal effect.

5. Cloud cover is observed at synoptic stations and reported as the fraction of the sky (in eighths) that is occupied by cloud. The mean amount given here is the average of the 30 or 31 daily reports for that time of day. The number of days on which the sky was clear at that time of day (0 eighths), mostly clear (1, 2), partly cloudy (3-5), mostly cloudy (6, 7), or overcast (8) is given in the following columns. An entry in the column headed "9" would indicate an observation for which the sky was either partially or wholly obscured (as, for instance, by fog). It should be noted that the total number of observations in the six columns will be equal to the number of days in the month, unless an observation was missed.

6. Visibility is reported from the synoptic stations in terms of the number of miles (or yards) at which objects are clearly distinguishable. This is customarily "10 or more miles" unless some obscuring material (usually haze, smoke, fog or rain) is present in the air. Again, the total number of observations in these eight columns will be equal to the number of days in the month unless an observation was missed.

### TABLE II

1. This table gives summaries of the usual daily observations. All stations listed in Table I should also have entries here. In addition, stations observing only rainfall and/or temperature extremes, will be included in Table II but not in Table I.

2. The rainfall data from the standard raingauge at each station. The observation is taken in the morning usually at 12h GMT (i.e. at 6 to 8 A.M. LST) and is entered to the previous day. The "climate day" thus terminates at the time of the following morning's observation and not at midnight. The most rain in a day, the date on which it occurred,

/ct'd...

### III

and the number of days with amounts exceeding .04, .40 and 1 inch, all refer to the "climate day".

3. Maximum and minimum temperatures are read in the morning, with the maximum being entered to the previous day. As indicated, the mean daily temperature given in this table is the average of mean maximum and mean minimum temperatures. The highest maximum and lowest minimum observed during the month are also given.

4. The grass minimum temperature is found from a thermometer exposed to the atmosphere at a height of 2 inches above the ground. As it will cool through overnight radiation loss, generally lower temperatures than those from the screened thermometers will be observed. The mean of the 30 or 31 daily values is given in the table.

5. All stations for which monthly sunshine totals are given here will normally have entries in Table VI as well.

6. At synoptic and a few other stations, the observer is asked to note the occurrence of thunder, fog, hail or gale (i.e. a mean windspeed in excess of 34 knots). The total number of calendar days during the month with such occurrences is given here. It should be emphasized that unless the station is manned continuously, these events, particularly thunder, are likely to be under-counted.

#### TABLE III

1. This table gives summaries of additional daily observations of importance primarily to agriculture.

2. The wind mileage data are from totalizing cup anemometers set 6 feet above the ground. The counters are read at the morning observation hour and hence both the "daily mean" and "most in a day" figures refer to the climate day rather than the calendar day. It should be noted that, as the mean hourly windspeeds calculated from these values would refer to a 6 foot height, they will be significantly lower than those means that may appear for the same stations in Table V,

3. Evaporation is usually measured using a Class A pan, a metal container, 4 feet in diameter and 10 inches deep, which is exposed on a wooden platform just above the ground. The water depth in the pan is maintained at between 7 and 8 inches, with changes in the level being measured at each morning's observation. The total water loss for the month is given in the table together with the maximum daily loss during the month and the date on which it occurred. Both these last entries refer to the climate day. Daily readings are sometimes missed when the pan is cleaned or repaired. If more than four readings in a month are missing, no total is shown, if three or four readings are missing, the total is adjusted and printed with the letter 'M' next to it, if one or two readings are missing, the adjusted total is printed but without an 'M'.

IV

4. Soil temperature extremes are read in the morning; the maxima being entered to the previous day. The mean maximum, mean minimum and extremes are given for the two depths that are most frequently instrumented at the various stations.

5. Radiation measurements are mostly from Gunn-Bellani pyranometers that are read in the morning and are entered to the previous day. While the most and least in a day will refer to the climate day, there will be little difference for solar radiation between climate and calendar days as the morning observation is generally taken shortly after sunrise.

TABLE IV

1. This table gives maximum rainfall amounts during specified periods of time, as determined from the charts of recording raingauges.

2. It is important to note that, presently, the measurement of maximum amounts at some stations is confined to single 24-hour periods (the climate, or rainfall day) while at others two daily charts may be combined when necessary for the determination of maximum amounts. These two procedures are likely to produce divergent results only for the 6 and 12 hourly periods, with the former method tending to under-record these maximum amounts.

TABLE V

1. This table gives mean windspeeds and details of the highest winds recorded at stations possessing anemographs. These figures normally relate to heights of between 30 and 50 feet above the ground.

2. For each hour during the month a mean windspeed to the nearest knot is read off the chart. The prevailing wind direction to the nearest 10° is also given. The highest speed for any clock hour is given in this table, together with the corresponding direction and time and date of occurrence.

3. The direction, speed and occurrence time of the highest gust during the month is also given. While response characteristics of the different anemographs in use varies, this will generally represent the speed over a 2-5 second averaging time.

4. The number of hours during the month in which one or more gusts occur that exceed 33, 47 and 63 knots (i.e. Beaufort force 7, 9 and 11 respectively), are given in the next three columns. These values correspond to 38, 55 and 72 miles per hour.

5. The average of all the hourly anemograph values during the month is given in the last column. At stations where the diurnal effect is relatively small, this figure and the average of the four windspeed entries for synoptic stations in Table I should be reasonably close.

/ct'd.....

TABLE VI

1. This table gives summaries of the hourly and daily amounts of sunshine, measured by Campbell-Stokes sunshine recorders. The time scale produced by the recorder and used here is centred on solar noon and is referred to as local apparent time (LAT). Except for the Cayman Islands, local apparent time does not differ from the local standard time by more than + 10 minutes on average.

2. During each hour the amount of direct sunshine is measured in tenths of an hour. The mean duration figures given here are the averages of the 30 or 31 daily values for that hour; as they are in hundredths, they can also be considered as giving directly the percentage of time that the sun shone for each hour during the day.

3. The total duration in hours will be equal to the sum of the previous columns times the number of days in the month. It is also expressed as a percentage of the maximum amount possible, based on the stations' latitude and the season.

4. The most sunshine in any day and the date of occurrence are given; where two or more days are tied for maximum, only the earlier date is listed.

5. The number of days with sunshine amounts in different ranges is given in the last part of the table. The sum of the entries here should equal the number of days in the month. Where they do not, it indicates that one or more values have been missed; provided that fewer than 6 days are missing, the monthly total duration will have been adjusted to represent the whole month.

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS APRIL 1972

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR	MEAN TEMPERATURE AND HUMIDITY				MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (feet)					VISIBILITY (No. of Observations)										
			DRY BULB °F		WET BULB °F				VAPOUR PRESS mb		REL HUM %	MEAN AMT	Number of Observations					yards						
			LST	LST	REL HUM %	REL HUM %			0	1, 2			3-5	6, 7	8	9	7-1440	440-1100	1100-2200	2200-5000	1-3	4-5	6-10	10-18
TRINIDAD																								
CENTENO	50	08	79.1	75.0	27.8	82		4.6																
PENAL	25	08	76.1	74.0	27.7	90		2.6																
PIARCO APT	41	02	73.5	71.9	25.8	91	1012.5	1.3	3.4	2	12	9	7	0	0	0	0	0	0	1	11	18		
		08	78.9	74.5	27.1	80	1013.6	7.1	4.9	0	5	10	14	1	0	0	0	0	0	0	2	9	19	
		14	84.9	75.0	25.2	61	1012.4	11.5	6.3	0	1	5	21	3	0	0	0	0	0	0	2	7	21	
PIARCO APT	41	20	76.7	73.3	26.4	87	1012.7	3.7	3.9	0	9	13	8	0	0	0	0	0	0	0	0	6	22	
ST. AUGUSTINE UWI	52	09	80.9	77.3	30.6	85		11.7																
TOBAGO																								
CROWN POINT APT		02	75.9	72.6	25.9	85	1012.4	5.0	4.4	0	7	12	11	0	0	0	0	0	0	0	0	5	25	
		08	80.1	74.7	26.9	77	1013.9	8.7	5.5	0	4	7	18	1	0	0	0	0	0	0	0	1	6	23
		14	83.8	75.7	26.8	68	1012.3	11.5	5.9	0	1	9	19	1	0	0	0	0	0	0	0	0	6	24
		20	77.4	73.4	26.3	82	1012.7	4.8	4.9	0	7	8	14	1	0	0	0	0	0	0	0	0	6	24
LOUIS D'OR	40	08	80.3	74.1	25.9	73		0.9																
BARBADOS																								
HUSEANDS CMI	370	08	76.8	73.1	25.1	75	1015.1	13.0	5.2	0	5	10	15	0	0	0	0	0	0	0	0	0	1	29
		14	82.4	73.9	24.7	65	1013.0	14.7	5.9	0	1	8	21	0	0	0	0	0	0	0	0	0	2	28
SEAWELL APT	183	02	77.5	73.0	25.7	80	1013.0	12.3	4.6	0	5	14	10	1	0	0	0	0	0	0	0	0	1	29
		08	79.5	73.7	25.8	75	1014.9	14.4	5.3	0	4	8	16	2	0	0	0	0	0	0	0	0	1	29
		14	82.4	74.4	25.3	67	1013.2	14.7	4.9	0	3	13	12	2	0	0	0	0	0	0	0	0	0	30
		20	78.1	73.2	25.8	79	1013.8	12.1	4.2	0	5	15	9	1	0	0	0	0	0	0	0	0	0	30
ST. VINCENT																								
CAMDEN PARK	15	08	81.9	75.1	27.9	74	1016.6																	
		16	82.4	75.4	27.6	73																		
ST. LUCIA																								
BEAUSEJOUR	75	08	79.9	75.3	27.9	80																		
ROSEAU WINBAN		09	81.1	73.9	25.3	70			4.6	0	4	15	11	0	0	0	0	0	0	0	0	0	0	30
VIGIE APT		08	79.7	72.9	24.7	71	1014.7	9.5	4.9	0	3	16	10	0	0	0	0	0	0	0	0	0	1	28
		14	83.0	73.8	24.5	64	1013.4	13.9	4.9	0	3	16	10	0	0	0	0	0	0	0	0	0	1	28
DOMINICA																								
MELVILLE HALL APT		08	79.3	72.6	24.4	71	1015.2	8.5	4.9	0	1	19	8	1	0	0	0	0	0	0	0	0	3	24
		14	81.4	74.1	25.5	70	1013.8	8.4	4.6	0	4	15	7	4	0	0	0	0	0	0	1	1	9	19





TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS APRIL 1972

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY				MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (height)					VISIBILITY (No. of Observations)												
			DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %			MEAN AMT	Number of Observations				0-440 yards	1,100- 2,200 yards	1 1/2- 2 miles	2- 5 miles	3- 5 miles	6- 10 miles							
										Number of Observations																
										0	1, 2	3-5	6, 7							8	9					
GUYANA																										
EBINI	94	14	83.2	75.6	26.9	69	8.1	3.3	0	0	3	9	1	0	0	0	0	0	0	0	0	0	0	0	7	6
GEORGETOWN BG	7	08	79.5	75.0	27.6	80	5.8	6.1	0	3	5	17	5	0	0	0	0	0	0	0	0	0	0	1	9	20
		14	81.8	75.9	28.0	75	8.5	6.0	0	2	8	15	5	0	0	0	0	0	0	0	0	0	0	1	9	20
KOSORORO		08	76.1	73.9	27.6	90																				
		14	80.1	74.5	27.0	77																				
KAIETEUR FALLS		08	71.4	70.3	24.8	94																				
		14	78.8	73.1	25.3	75																				
KAMARANG	1625	08	69.9	68.6	23.3	94	1016.1	6.4	0	1	5	16	8	0	0	0	0	0	0	0	0	0	2	15	13	
		14	80.5	72.3	23.4	66	1011.9	3.1	6.1	0	1	5	23	1	0	0	0	0	0	0	0	0	0	0	1	29
LETHEM	326	08	78.0	74.0	27.0	83	9.4	6.1	0	1	8	13	8	0	0	0	0	0	0	0	0	1	0	0	29	
		14	86.5	75.9	26.0	60	10.0	6.3	0	0	6	16	8	0	0	0	0	0	0	0	0	0	1	1	28	
LETHEM	326	08	76.2	74.2	28.0	90	1012.5	2.1	5.5	0	5	6	8	0	0	0	1	3	2	1	3	2	1	18	2	
MABARUMA	168	14	81.0	74.9	26.8	74	1011.1	5.7	6.7	0	0	5	14	8	0	0	1	1	3	2	1	3	2	13	7	
MAHAICONY	6	08	78.7	75.2	28.3	84																				
		14	81.8	76.4	28.7	77																				
MATTHEWS RIDGE		08	74.4	72.7	26.7	92																				
		14	82.2	75.2	26.6	71																				
MAZARUNI	47	08	77.2	75.0	28.6	90																				
		14	82.3	76.4	28.4	75																				
MON REPOS		08	80.0	73.6	25.4	73																				
		14	82.7	75.4	26.8	70																				
MON REPOS		08	78.8	75.7	28.9	86																				
NEW AMSTERDAM	3	14	84.9	77.2	28.4	69																				
		08	74.4	72.9	26.9	93																				
PORT KAITUMA		14	82.8	75.7	27.4	72																				
		08	78.8	75.6	26.2	65																				
ST. IGNATIUS		14	84.6	75.6	26.2	65																				
SKELDON FRONT		08	79.0	75.9	28.9	86																				
TIMEHRI APT	100	02	73.3	72.9	27.4	98	1011.3	0.1	5.9	3	1	5	13	8	0	0	0	0	0	0	0	2	1	13	14	
		08	77.3	74.9	28.4	89	1013.0	2.9	5.8	0	4	5	17	4	0	0	0	0	0	0	0	1	2	8	19	
		14	83.4	76.0	27.3	70	1010.8	9.2	6.7	0	0	4	21	5	0	0	0	0	0	0	0	1	2	5	22	
TIMEHRI APT	100	20	75.4	73.9	27.9	93	1011.4	0.6	5.5	1	3	7	17	2	0	0	0	0	0	0	0	1	1	5	23	
TIMEHRI CHS		08	76.9	75.1	29.0	92																				
		14	83.3	76.3	27.8	71																				
WAUNA		08	75.4	74.2	28.3	94	1.7	5.4	0	4	8	11	7	0	0	0	1	2	2	10	13	2	4	20		
		14	80.8	75.3	27.5	77	7.2	6.5	0	0	8	15	7	0	0	0	1	1	1	0	4	4	20			



TABLE II SUMMARY OF DAILY OBSERVATIONS APRIL 1972

COUNTRY STATION	RAINFALL (inches)			AIR TEMPERATURE °F				MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION Yr	NO. OF DAYS WITH					
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN			MEAN MIN B			MEAN $\frac{1}{2}(A+B)$	EXTREMES MAX MIN	THUNDER	FOG	HAIL	GALE
				.04	.40	1.00									
<b>ST. KITTS/NEVIS</b>															
CAINES	1.88	.41	9	9	2	0									
CUNNINGHAM	1.07	.52	17	4	1	0			238.4						
LA GUERITE	2.04	.38	14	11	1	0									
WEST FARM	2.10	.53	18	10	1	0									
<b>BR. VIRGIN ISLANDS</b>															
PARAQUITO BAY	2.54	1.21	10	5	2	1	84.1	74.8	79.5	87	68			270.8	
<b>JAMAICA</b>															
ALLSIDES	9.99	1.63	29	16	9	4	79.6							203.9	
BERNARD LODGE	2.91	1.19	10	4	3	2	88.5	66.5	77.5	92	61			255.3	
BODLES	1.17	1.00	11	2	1	1	87.6	60.9	74.3	90	58				
CAERWOOD	8.66	2.42	29	14	6	3								66.2	
CEDAR VALLEY	1.18	.96	28	4	1	0	82.2	61.4	71.8	85	59				
CINCHONA GARDENS	11.95	9.78	28	7	4	1	70.1	55.7	62.9	75	53				
DALLAS	1.81	.48	10	8	2	0	82.5	64.9	73.7	89	62				
DUCKENFIELD	3.33	2.55	29	6	1	1	85.8	70.8	78.3	88	65			253.6	
EAST ALBION							88.8	71.0	79.9	92	69				
FARM HILL	7.10	5.83	28	10	2	1	75.2	59.5	67.3	77	55				
PROME	5.88	1.05	30	14	6	1	88.4	68.8	78.6	90	65				
GROVE PLACE	8.62	2.07	7	9	6	3	83.8								
HALLS DELIGHT	5.58	4.35	28	6	3	1	78.0	61.2	69.6	81	59				
HOPE GARDENS	1.24	.42	28	8	1	0	89.4								
IRWIN	5.38	2.40	25	6	4	2	90.3	67.5	78.9	93	65				
KINGSTON	.17	.10	28	2	0	0	88.8	72.4	80.6	92	69				
MARSHALLS PEN	6.45	2.07	7	11	7	2	79.2	63.2	71.2	82	57				
MASON RIVER	1.74	.54	17	7	1	0	81.6	60.4	71.0	85	57				
MORTEGO BAY	2.27	1.10	25	4	3	1	86.6	71.4	79.0	89	64			260.8	
MONYMUSK	.96	.25	19	6	0	0	89.5	65.0	77.3	92	61			2	

TABLE II SUMMARY OF DAILY OBSERVATIONS APRIL 1972

COUNTRY STATION	RAINFALL (inches)			NUMBER OF DAYS WITH, OR MORE THAN					AIR TEMPERATURE °F				TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH		
	TOTAL AMOUNT	MOST IN A DAY	DATE	DAYS WITH, OR MORE THAN			MEAN MAX	MEAN MIN	MEAN $\frac{1}{2}(A+B)$	EXTREMES		THUNDER		FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN					
<b>JAMAICA</b>																
MORANT POINT LH	2.98	2.60	29	4	1	1	84.3	76.6	80.5	86	67					
NEGRIL POINT LH	3.44	.88	12	10	5	0	89.1	71.5	80.3	92	69	18	0	0	0	0
ORANGE RIVER	5.50	2.69	28	13	3	1										
PALISADOES APT	14.19	5.27	20	10	6	5	87.6	74.3	81.0	92	71					
SMITHFIELD	2.27	.79	10	7	2	0	82.7	68.1	75.4	85	64					
WORTHY PARK							84.6	62.9	73.8	88	58					
<b>BR. HONDURAS</b>																
BELIZE APT	4.90	3.90	2	2	2	2	86.4	76.1	81.2	89	70					
<b>GUYANA</b>																
BARTICA POT	11.74	1.68	22	18	10	4	90.0	70.5	80.2	92	68					
EBINI	9.36	2.15	28	16	7	3	86.6	71.5	79.1	89	66					
GEORGETOWN BG	14.43	3.88	29	15	6	6	83.8	75.4	79.6	87	71					
HOSORORO	18.47	3.33	20	19	11	8	83.8	71.2	77.5	88	70					
KAIETEUR FALLS	23.02	3.74	17	23	14	7	81.3	69.2	75.2	84	64					
KANARANG	7.69	2.52	26	18	6	1	82.4	66.7	74.6	86	61					
LETHEM	9.03	2.59	17	10	5	5	88.8	72.7	80.8	94	70					
KABARUMA	19.73	2.74	21	17	13	9	81.1	70.3	75.7	88	69					
MANAICONY	17.04	4.36	22	16	10	6	84.0	76.7	80.3	86	70					
MATHEWS RIDGE	11.64	4.00	26	16	9	3	88.5	69.6	79.1	90	68					
MAZARUNI	13.57	2.45	20	15	8	8	87.9	69.4	78.7	89	68					
MON REPOS	12.21	2.27	24	15	8	6	84.4	72.4	78.4	87	71					
NEW AMSTERDAM	15.00	2.84	21	14	9	5	86.2	73.6	79.9	88	72					
POTT KAITUMA	15.05	1.99	26	19	12	5	85.9	70.0	78.0	91	66					
SKELDON FRONT	12.18	4.75	21	13	7	4	84.9	74.7	79.8	88	72					
ST. IGNATIUS	7.65	2.95	17	10	5	3	88.6	73.8	81.2	92	71					
TIMEHRI APT	11.17	3.15	20	18	8	2	85.5	71.7	78.6	90	67					
TIMEHRI CHS	12.58	4.74	20	18	8	3	85.4	70.8	78.1	89	64					
WAUNA	16.01	2.35	20	20	11	7	84.4	69.4	76.9	89	66					

TABLE III--SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS APRIL 1972

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)		SOIL TEMPERATURES OF								TOTAL RADIATION (langley's)					
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	At 2 inch depth				At 4 inch depth				TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY			
					MEAN		EXTREMES		MEAN		EXTREME							
					MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN						
TRINIDAD																		
CENTENO	68	97	6.71	.31												13379	609	299
PEXAL	62	84	5.06	.29														
PIARCO APT	93	162	8.02	.40														
ST.AUGUSTINE UWI	103	178	4.34	.24														
TOBAGO																		
CROWN POINT APT	71	157	8.35	.49														
LOUIS D'OR	21	38	5.98	.32														
BARBADOS																		
HUSBANDS CMI	131	211	8.33M	.37	11	90.4	71.4	97	11	68								
ST.VINCENT																		
CAMDEN PARK	110	149														18281	774	333
ST.LUCIA																		
BEAUSEJOUR	225	298																
MONTERRAT																		
GROVE	156	313	8.55	.38	21											15307	752	323
ST.KITTS/NEVIS																		
CAINES			5.91M	.29	18													
CUNNINGHAM			5.08M	.30	27													
BR.VIRGIN ISLANDS																		
PARAQUITO BAY	123	179	9.21	.38	22											15800	610	310



TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS APRIL 1972

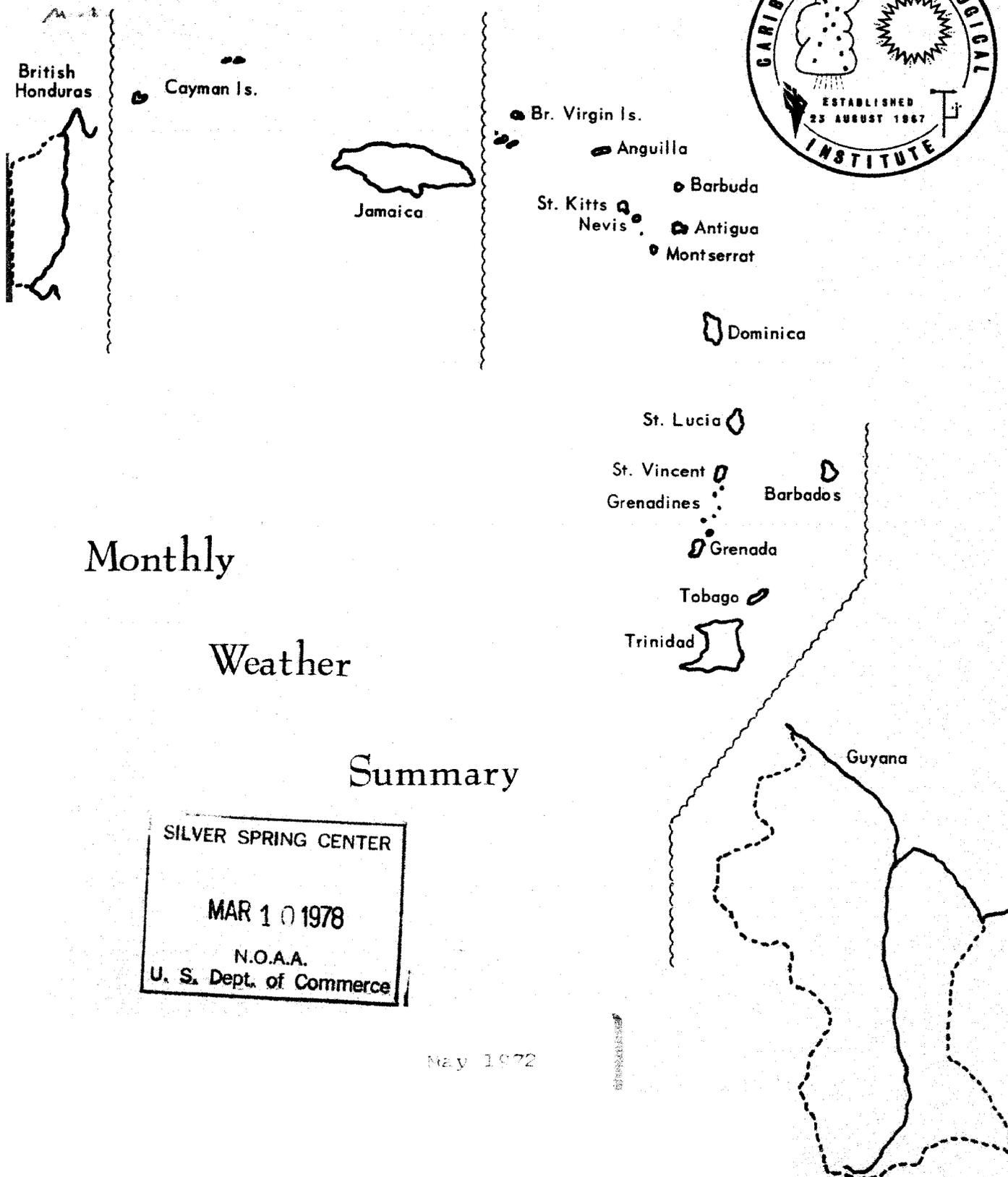
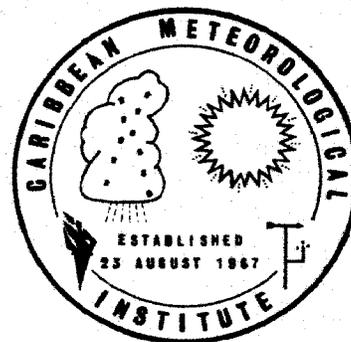
COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME									
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours		
TRINIDAD										
CENTENO	.31	.35	.55	.75	.83	.83	.83	.83		
PENAL	.38	.50	.53	1.13	1.13	1.13	1.69	1.92		
PIARCO APT	.40	.60	.93	1.10	1.22	1.22	1.22	1.22		
ST. AUGUSTINE UWI			.30	.44	.53	.67	.67	.67		
TOBAGO										
CROWN POINT APT	.24	.35	.50	.53	.60	.73	.75	.75		
LOUIS D'OR	.24	.31	.32	.43	.61	.70	.70	.70		
BARBADOS										
HUSBANDS CMI	.22	.24	.34	.57	.66	.78	.81	.81		
SEAWELL APT	.14	.14	.14	.19	.19	.19	.19	.19		
MONT'SERRAT										
GROVE	.16	.23	.27	.43	.67	1.02	1.25	1.25		
BR. VIRGIN ISLANDS										
PARAQUITO BAY	.30	.45	.49	.51	.53	.60	.71	1.01		
JAMAICA										
BODLES	.16	.28	.40	.59	.89	1.00	1.00	1.00		
HALLS DELIGHT	.26	.48	.57	.85	1.57	1.96	2.80	3.55		
MONTEGO BAY APT					.71	1.10	1.10	1.10		
ORANGE RIVER	.17	.28	.38	.56	.93	1.11	1.97	2.18		
SMITHFIELD	.44	.56	.87	1.55	2.91	4.27	5.25	5.27		
GUYANA										
EBINI	.26	.40	.56	1.08	1.33	2.04	2.15	2.15		
GEORGETOWN BG	.80	1.30	1.50	1.63	1.75	2.09	3.71	4.27		
KAIETEUR FALLS	.35	.38	.46	.62	.72	2.34	3.25	3.74		
KAMARANG	.26	.36	.47	.86	1.20	1.57	2.52	2.52		
LETHEM	.41	.50	.75	.89	1.23	1.32	2.59	3.52		
MATTEWS RIDGE	.25	.47	.52	1.04	1.40	2.48	3.86	3.99		
NEW AMSTERDAM	.20	.28	.36	.60	.88	1.52	3.40	3.65		
SKELDON FRONT	.38	.75	.88	1.15	2.16	3.00	4.24	4.74		
ST. IGNATIUS	.30	.60	.81	1.37	1.73	1.99	2.93	3.52		
TIMHRI APT	.17	.33	.41	.60	1.84	2.35	2.87	3.11		
TIMHRI CHS	.29	.49	.66	1.19	2.18	3.29	4.42	4.72		
WAUNA	.28	.40	.48	.69	.95	1.67	2.34	2.42		

TABLE V - SUMMARY OF WINDSPEED RECORDS APRIL 1972

COUNTRY STATION	HIGHEST HOURLY WIND			HIGHEST GUST			NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED		
	DIRN	SPEED	DATE	DIRN	SPEED	TIME LST	SS	47	63			
											HOUR ENDED	
TRINIDAD												
CENTENO	09	20	11	29	09	30	0820	29	0	0	0	2.8
PIARCO APT	08	18	11	29	11	29	0750	29	0	0	0	4.8
TOBAGO												
CROWN POINT APT	13	18	16	25	09	24	1240	25	0	0	0	6.4
BARBADOS												
HUSBANDS CMI	07	20	13	24	07	35	1205	24	3	0	0	9.3
ANTIGUA												
COOLIDGE APT	08	24	16	29	08	34	1550	29	2	0	0	13.3
GUYANA												
EBINI	03	18	15	1	03	28	1480	1	0	0	0	4.8
GEORGETOWN BG	06	15	13	2	10	27	1915	7	0	0	0	7.5
GEORGETOWN ORR	05	23	19	23	08	33	1000	7	0	0	0	13.7
KAIETEUR FALLS	04	7	14	3	05	18	1420	1	0	0	0	2.2
KAMARANG	08	10	15	2	08	22	1420	2	0	0	0	1.7



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Monthly

Weather

Summary

SILVER SPRING CENTER  
MAR 10 1978  
N.O.A.A.  
U. S. Dept. of Commerce

May 1972

MONTHLY WEATHER SUMMARY

Prepared and published by the  
Caribbean Meteorological Institute  
Husband's, St. James, Barbados, W.I.

May 1972

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TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS MAY 1972

COUNTRY STATION	HEIGHT ABOVE MSL ft.	HOUR LST	MEAN TEMPERATURE AND HUMIDITY			MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eights)					VISIBILITY (No of Observations)								
			DRY BULB °f	WET BULB °f	VAPOUR PRESS mb			REL HUM %	MEAN AMT	Number of Observations				yards							
										0	1-2	3-5	6-7	8	9	0-40	40-100	100-200	2-10	11-20	21-30
<b>TRINIDAD</b>																					
CENTENO	50	08	80.0	76.3	26.2	75	5.2														
PENAL	25	08	77.9	75.8	29.5	90	2.5														
PIARCO APT	41	02	75.3	74.0	27.9	90	1.8	1012.5	5.1	0	6	10	11	4	0	0	0	1	13	17	
		08	79.8	75.9	28.7	83	7.3	1013.5	5.0	0	7	8	15	1	0	0	1	1	12	16	
		14	85.1	76.5	27.3	66	12.3	1012.3	5.8	0	2	7	19	3	0	0	1	1	9	20	
PIARCO APT	41	20	77.7	74.8	28.1	87	5.0	1012.6	4.4	0	10	8	9	4	0	0	0	4	11	16	
ST.AUGUSTINE UWI	52	09	81.9	75.7	27.6	74	12.8														
<b>TOBAGO</b>																					
CROWN POINT APT		02	77.6	74.0	27.0	84	6.1	1012.4	4.7	0	6	9	13	2	0	0	0	0	1	11	18
		08	81.7	76.1	28.1	76	10.0	1013.7	5.2	0	2	14	13	2	0	0	0	0	0	7	24
		14	85.4	77.3	28.3	68	12.5	1012.3	5.3	0	5	9	15	2	0	0	0	0	1	12	18
LOUIS D'OR	40	20	79.1	74.8	27.5	81	6.3	1012.1	4.3	0	10	10	9	1	0	0	0	0	1	14	15
		08	81.1	75.7	27.9	77	1.0														
<b>BARBADOS</b>																					
HUSBANDS CMI	370	08	80.7	73.9	25.5	71	13.3	1014.7	5.4	0	1	14	15	1	0	0	0	0	1	3	24
		14	83.6	74.2	24.7	63	15.1	1013.1	6.1	0	0	7	23	1	0	0	0	0	2	8	19
SEAWELL APT	183	02	78.6	74.8	27.7	83	10.8	1013.0	4.5	0	7	14	8	2	0	0	0	0	0	1	30
		08	81.1	75.9	28.1	78	12.3	1014.6	4.6	0	5	15	8	3	0	0	0	0	0	3	28
		14	83.3	76.4	27.9	72	12.0	1013.3	5.3	0	4	10	15	2	0	0	0	0	0	2	29
		20	79.6	75.3	28.0	81	10.6	1013.8	4.7	0	3	15	12	1	0	0	0	0	0	2	29
<b>ST.VINCENT</b>																					
CAMDEN PARK	15	08	83.0	76.5	28.2	73		1016.3													
		16	82.4	75.8	27.4	72															
<b>ST.LUCIA</b>																					
BEAUSEJOUR	75	08	82.0	76.3	28.4	76															
ROSEAU WINBAN		09	82.3	75.2	26.5	70															
VIGIE APT		08	80.7	74.5	26.4	74	9.6	1014.2	4.6	0	5	15	11	0	0	0	0	0	0	0	31
		14	84.5	75.5	26.0	64	12.9	1013.2	4.8	0	1	19	11	0	0	0	0	0	0	0	31
<b>DOMINICA</b>																					
MELVILLE HALL APT		08	79.6	74.3	26.6	77	7.8	1014.9	5.7	0	0	12	14	2	0	0	0	0	1	3	23
		14	81.5	75.2	26.9	73	7.2	1013.8	5.3	0	0	16	14	1	0	0	0	0	4	10	17



TABLE 1 SUMMARY OF OBSERVATIONS AT FIXED HOURES MAY 1972

COUNTRY	STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY				MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT. (heights)												MEAN AMT	VISIBILITY yards	No of Observations	No of Observations
				MEAN TEMPERATURE		MEAN HUMIDITY				Number of Observations	Number of Observations	Number of Observations	Number of Observations	Number of Observations	Number of Observations	Number of Observations	Number of Observations	Number of Observations	Number of Observations						
				Dry Bulb °F	Wet Bulb °F	Vapour Press mb	REL HUM %																		
<b>JAMAICA</b>																									
MASON RIVER	2300		13	78.9	73.1	25.4	75																		
			19	66.6	65.4	20.7	93																		
MONTEGO BAY APT	5		01	73.2	70.3	24.4	87	1012.5	0.1	2.8	2	17	5	6	1	0	0	0	0						
			07	75.7	71.0	24.0	79	1013.0	0.8	3.4	2	12	7	10	0	0	0	0	0						
			13	83.4	75.4	27.1	69	1012.4	11.4	3.9	0	11	9	10	1	0	0	1	0						
MONTEGO BAY APT	5		19	76.8	72.7	25.8	82	1012.0	1.9	4.7	0	7	8	14	2	0	0	0	0						
MONYMUSK	30		08	81.2	77.0	29.7	82																		
MORANT POINT LH	6		01	80.2	77.0	30.3	86	1015.2	11.9	4.2	0	7	15	7	2	0	0	0	0						
			07	80.4	77.1	30.3	86	1015.3	12.2	5.2	0	1	12	18	0	0	0	0	0						
			13	84.0	79.2	31.8	80	1015.9	12.7	4.9	0	4	13	11	3	0	0	0	0						
MORANT POINT LH	6		19	81.2	77.5	30.6	84	1014.5	11.8	4.6	1	4	16	8	2	0	0	0	0						
NEGRIL POINT LH	27		07	76.6	73.2	26.5	85	1011.8	2.1	4.0	2	10	7	8	4	0	0	0	0						
			13	85.6	77.0	27.8	66	1011.9	7.7	4.4	0	5	14	9	3	0	0	0	0						
			19	80.3	75.3	27.3	77	1010.7	3.2	5.2	0	6	9	9	7	0	0	0	0						
ORANGE RIVER	980		08	75.1	72.8	26.7	90																		
ORANGE RIVER	980		16	79.3	75.1	27.9	82																		
PALISADOES APT	10		01	80.6	75.0	27.7	78	1012.0	4.9	2.8	2	15	8	6	0	0	0	0	0						
			07	81.7	75.2	27.4	74	1012.5	5.9	4.0	0	12	6	12	1	0	0	0	0						
			13	86.9	77.2	28.2	65	1012.2	15.8	4.2	0	8	11	12	0	0	0	0	0						
			19	82.4	75.2	27.1	72	1011.5	10.5	4.4	0	8	10	11	2	0	0	0	0						
SMITHFIELD	925		08	77.6	72.4	24.8	77																		
WORTHY PARK	1250		07	70.0	68.8	23.4	94																		
			15	78.7	74.0	26.1	80																		
<b>BELIZE</b>																									
BELIZE APT	17		06	77.4	74.7	28.1	88	1011.0	5.0	5.1	1	7	3	12	1	0	0	0	0						
			12	86.9	77.4	27.9	64	1011.5	9.6	5.2	0	3	11	17	0	0	0	0	0						
			18	82.9	76.7	28.5	74	1009.5	8.3	4.4	0	11	4	16	0	0	0	0	0						



TABLE II SUMMARY OF DAILY OBSERVATIONS MAY 1972

COUNTRY STATION	RAINFALL (inches)			AIR TEMPERATURE °F					NO OF DAYS WITH								
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH, OR MORE THAN			MEAN MIN B	MEAN MAX A	MEAN $\frac{1}{2}(A+B)$	EXTREMES		TOTAL SUNSHINE DURATION HR	THUNDER	FOG	HAIL	GALE	
				.04	.40	1.00				MAX	MIN						
TRINIDAD																	
CENTENO	5.90	2.28	1	18	3	2	85.4	72.3	78.9	88	68	165.2					
PENAL	5.22	1.90	1	15	4	1	86.3			89		158.4					
PIARCO APT	5.55	2.24	1	13	3	1	86.9	73.4	80.3	90	70	241.0					
ST.AUGUSTINE UWI	3.48	1.45	1	10	3	1	86.7	71.2	79.0	89	68	250.1					
TOBAGO																	
CROWN POINT APT	.93	.34	2	6	0	0	87.4	74.9	81.2	89	71	276.2					
LOUIS D'OR	5.87	4.39	2	11	2	1	84.5	77.0	80.8	87	72	219.9					
BARBADOS																	
HUSBANDS CMI	1.11	.27	6	8	0	0	86.3	73.8	80.1	89	71	274.2					
SEAWELL APT	1.11	.24	6	10	0	0	85.3	75.8	80.6	87	73	271.1					
ST.VINCENT																	
CAMDEN PARK	1.82	.37	15	12	0	0	87.4	74.6	81.1	89	70						
ST.LUCIA																	
BEAUSEFOUR	1.48	.38	22	11	0	0	86.8	68.4	77.6	89	67	258.5					
ROSEAU WINBAN	1.79	.26	7	14	0	0	82.4	72.4	77.4	87	66	278.7					
VICIE APT	2.80	1.45	19	15	1	1	87.2	75.5	81.4	90	70						
DOMINICA																	
MELVILLE HALL APT	6.12	1.94	31	17	5	1	84.2	77.1	80.1	87	74	233.5					
MONTSEHAT																	
GROVE	1.46	.27	5	11	0	0	84.1	75.2	79.7	87	71	230.9					
ANTIGUA																	
COOLIDGE APT	2.18	1.17	19	9	2	1	84.1	74.9	79.5	86	72						
DUNBARS	2.83	.94	19	12	2	0	85.0	71.9	78.5	87	69						

TABLE II SUMMARY OF DAILY OBSERVATIONS MAY 1972

COUNTRY STATION	RAINFALL (inches)			AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH						
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH, OR MORE THAN			MEAN	MEAN MIN B			MEAN MAX A	MEAN $\frac{1}{2}(A+B)$	EXTREMES MAX MIN	THUNDER	FOG	HAIL	DALE
				-0.4	-0.4	1.00											
ST. KITTS/NEVIS																	
CAINES	1.23	.57	19	7	1	0											
CUNNINGHAM	.69	.35	19	6	0	0											
LA GUERITE	1.43	.80	20	3	2	0											
NEEDSMUST	1.68	.85	19	7	1	0											
WEST FARM	1.69	.92	19	7	1	0											
BR. VIRGIN ISLANDS																	
PARAQUITO BAY	2.11	.94	15	7	2	0	84.7	76.0	80.4	87	71				275.0		
JAMAICA																	
ALLSIDES	10.15	2.12	1	12	10	3	80.4	63.4	71.9	82	61				203.4		
BERNARD LODGE	2.99	.69	24	9	3	0	88.6	69.8	79.2	91	64				249.4		
BODLES	1.60	.68	1	7	1	0	88.9	65.1	77.0	95	61				267.1		
CAENWOOD	3.88	1.02	1	10	3	1											
CEDAR VALLEY	12.98	3.24	1	14	7	5	79.9	64.9	72.4	84	60						
CINCHONA GARDENS	10.74	6.50	20	13	4	2	70.2	56.5	63.4	73	54						
DALLAS	4.25	1.55	2	5	4	2	83.7	68.9	76.3	83	64						
DUCKENFIELD	8.68	3.40	1	12	3	3	86.2	73.0	79.6	88	71				70.8	212.1	
EAST ALBION	6.01	2.50	1	11	4	1	86.5	74.1	80.3	89	71				138.0		
FARM HILL	.86	.17	28	8	0	0	75.0	59.0	67.0	76	57						
FROME	16.21	1.81	9	21	14	8	89.0	70.5	79.6	90	69				199.5		
GROVE PLACE	7.63	2.00	25	11	6	3	83.0			87							
HALLS DELIGHT	5.45	4.18	20	9	2	1	75.9	62.7	69.3	78	60						
IRWIN	8.73	2.95	2	14	8	2	88.8	69.2	79.0	93	67						
KINGSTON	4.82	3.05	24	8	2	1	87.9	74.6	81.3	90	71						
MARSHALLS PEN	7.81	2.00	2	10	6	3	79.6	66.4	72.0	83	59						
MASON RIVER	12.93	2.12	1	16	7	3	80.2	62.0	71.1	83	57						
MONTEGO BAY APT	5.98	1.54	2	8	6	3	87.4	72.5	80.0	91	71				255.9	4 0 0 0	
MONYMUSK	6.00	3.09	2	13	3	2	87.7	68.4	78.1	90	65						
MORANT POINT LH	5.75	3.47	1	6	4	1	84.8	78.1	81.5	87	74						

TABLE II SUMMARY OF DAILY OBSERVATIONS MAY 1972

COUNTRY STATION	RAINFALL (Inches)				AIR TEMPERATURE °F					NO OF DAYS WITH				
	TOTAL AMOUNT	MOST IN A DAY	NUMBER OF DAYS WITH, OR MORE THAN		MEAN MIN	MEAN MAX	MEAN 1/2 (A+B)	EXTREMES		TOTAL SUNSHINE DURATION HR	THUNDER	FOG	HAIL	GALE
			-0.4	-0.1				MAX	MIN					
<b>JAMAICA</b>														
NEGRIL POINT LH	6.86	1.80	13	10	8	2	87.8	73.1	80.5	91	70	0	0	0
ORANGE RIVER	5.37	2.04	20	14	5	1	84.2	62.6	73.4	86	59	0	0	0
PALISADOES APT	2.93	1.76	24	5	2	1	87.0	77.4	87.2	90	72	1	0	0
SMITHFIELD	17.63	3.00	14	18	12	7	82.8	69.3	76.1	84	67	0	0	0
WORTHY PARK	4.39	1.44	1	15	3	1	84.5	63.7	74.1	88	59	0	0	0
<b>BELIZE</b>														
EELIZE APT	5.38	3.91	31	5	3	1	85.7	76.5	81.1	86	70	2	0	0
<b>GUYANA</b>														
BARTICA PCTARO RD	16.90	1.88	1	21	15	5	89.8	70.8	80.3	92	69	0	0	0
EBINI	12.99	2.90	1	25	9	3	87.1	73.0	80.1	90	71	0	0	0
GEORGETOWN EG	19.43	1.94	1	23	13	9	83.8	75.3	79.6	86	70	0	0	0
HOSORORO	14.41	2.00	3	28	13	4	84.8	72.4	78.6	87	71	0	0	0
KAITEUR FALLS	32.81	3.24	14	29	20	14	80.4	70.5	75.5	84	70	6	9	0
KAMARANG	12.77	1.72	11	29	13	2	82.0	66.6	75.3	85	67	9	2	0
LEHTEN	10.53	3.02	7	18	8	4	88.1	73.0	80.6	91	70	2	0	0
MABARUMA	14.63	2.14	3	25	10	6	84.4	71.5	78.0	89	70	0	0	0
MAHAICONY	11.86	2.20	21	20	8	3	83.5	75.6	79.6	87	73	1	3	0
MATHEWS RIDGE	10.85	1.50	3	25	12	3	88.6	69.6	79.1	90	69	0	0	0
MAZARUNI	13.50	1.34	8	24	12	5	87.4	72.8	80.1	88	70	2	7	0
MON REPOS	16.88	3.45	21	26	13	7	84.1	73.0	78.6	86	71	0	0	0
NEW AMSTERDAM	12.78	4.00	28	22	10	2	85.2	74.2	79.7	87	73	0	0	0
PORT KAITUMA	15.95	2.39	3	27	12	5	85.4	72.1	78.8	90	68	8	0	0
ST. IGNATIUS	11.92	2.55	7	20	9	5	87.5	72.9	80.2	92	71	0	0	0
SKELDON FRONT	7.16	1.05	13	23	5	1	85.2	74.5	84.6	87	72	2	6	0
TIMEHRI APT	17.82	1.96	16	25	16	6	84.6	72.9	78.8	89	71	0	0	0
TIMEHRI CHS	18.27	1.90	18	26	19	7	85.0	72.3	78.7	88	69	0	0	0
WAUNA	11.04	1.55	29	25	9	3	84.3	71.2	77.8	89	67	5	3	0

TABLE III - SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS MAY 1972

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)		SOIL TEMPERATURES °F												TOTAL RADIATION (langbeys)	
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	At 2 inch depth				At 4 inch depth				TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY			
					MEAN	MAX	MEAN	MIN	MEAN	MAX	MEAN	MIN						
																EXTREMES		EXTREMES
DATE	DATE	DATE	DATE	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN							
TRINIDAD																		
CENTENO	78	104	6.26	.29												14206	604	169
PENAL	60	83	5.02	.28														
PIARCO APT	95	116	7.80	.35														
ST. AUGUSTINE UWI	72	107	5.05M	.26														
TOBAGO																		
CROWN POINT APT	101	143	9.58	.59														
LOUIS D'OR	25	51	6.60	.34														
BARBADOS																		
HUSEANDS CMI	147	225	9.39	.41	1	90.1	72.6	96	12	68								
ST. VINCENT																		
CAMDEN PARK	137	263																
ST. LUCIA																		
BEAUSEJOUR	240	322																
MONTSERRAT																		
GROVE	184	364	10.13	.42	23											15936	660	362
ST. KITTS/NEVIS																		
CUNNINGHAM			6.33	.29	7													
LA GUERITE	168	250																
BR. VIRGIN ISLANDS																		
PARAQUITO BAY	141	199	9.33	.39	6											15812	625	354

TABLE III—SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS MAY 1972

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F										TOTAL RADIATION (langbeys)					
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	At 2 inch depth					At 4 inch depth					TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY			
						MEAN	MAX	MEAN	MIN	EXTREME MAX	EXTREME MIN	MEAN	MAX	MEAN	MIN				EXTREME MAX	EXTREME MIN	
																					DATE
JAMAICA																					
ALLSIDES																					
BERNARD LODGE			7.69	.35	28												12425	745	168		
BODLES	66	138	7.52	.35	17																
CEDAR VALLEY	26	47	4.26	.30	10																
DUCKENFIELD			4.93	.25	5																
EAST ALBION	8	18	6.81	.40	11																
PROME			5.75	.43	9																
GROVE PLACE	40	112																			
HALLS DELIGHT	21	77	3.72	.29	16																
MONTEGO BAY APT	77	127																			
NEGRIL POINT VH			3.74	.15	9																
ORANGE RIVER	26	104	6.02	.30	19																
PALISADES APT	33	215	9.42	.44	17																
SMITHFIELD	65	116	4.86	.26	19			87.9	70.2	94	24	68	84.3	72.7	90	71					
WORTHY PARK	40	79	4.58	.19	4																
GUYANA																					
EBINI	61	149																			
GEORGETOWN BG	73	130	4.68M	.30	28												90.0	81.7	96	16	81
KIETEUR FALLS			3.78	.27	2																
KAMARANG	36	42	9.23	.26	30																
MAHAICONY	153	236	5.46	.28	1																
ST. IGNATIUS	105	143	7.22	.42	27																
TIMEHRI CHS	48	9																			
WAUNA	16	5	4.42	.32	21			89.1	76.9	96	13	76	86.6	78.2	92	77					

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS MAY 1972

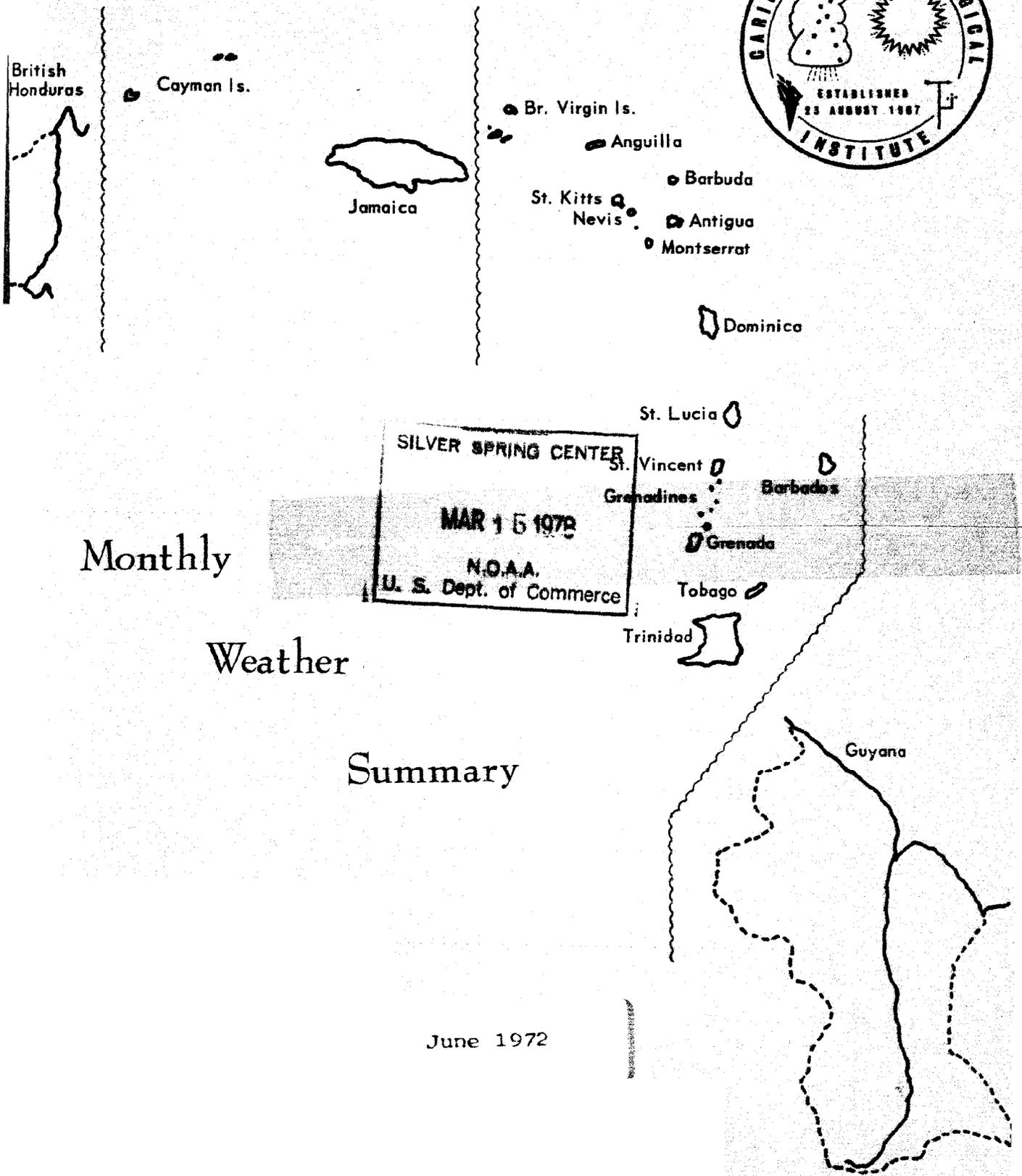
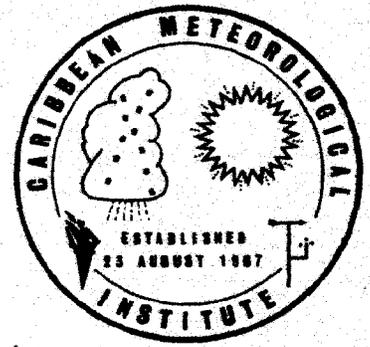
COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.16	.24	.40	.70	.72	.72	1.09	1.18
PENAL	.20	.28	.36	.44	.52	.67	.84	1.01
PIARCO APT	.20	.34	.40	.54	.57	.59	1.10	1.27
ST.AUGUSTINE UWI		.24	.35	.41	.46	.53	.67	.78
TOBAGO								
CROWN POINT APT	.06	.06	.06	.08	.11	.18	.35	.42
LOUIS D'OR		.36	.48	.78	1.14	1.75	3.87	4.09
BARBADOS								
HUSBANDS CMI	.07	.11	.11	.11	.13	.14	.25	.25
SEAWELL APT	.07	.07	.07	.11	.15	.15	.15	.15
ST.LUCIA								
BEAUSEJOUR	.13	.15	.16	.18	.25	.30	.32	.37
MONTserrat								
GROVE	.13	.13	.13	.13	.21	.28	.28	.28
ST.KITTS/NEVIS								
LA GUERITE		.20	.28	.38	.48	.48	.66	.66
BR.VIRGIN ISLANDS								
PARAQUITO BAY	.17	.22	.25	.31	.43	.43	.53	.53
JAMAICA								
BODLES	.13	.20	.26	.30	.41	.50	.51	.51
MONTECO BAY APT	.16	.32	.54	.61	1.06	1.26	1.53	1.54
ORANGE RIVER	.50	.85	1.30	1.48	1.57	1.57	1.64	2.04
PALISADOES APT	.48	.63	.77	1.43	1.62	1.63	1.72	1.73
SMITHFIELD	.40	.48	.88	1.78	2.03	2.72	3.00	3.00
GUYANA								
EBINI	.40	.60	.92	1.61	1.87	2.31	2.90	2.90
GEORGETOWN BG	.32	.47	.54	.73	1.07	1.77	2.64	2.65
KAIETEUR FALLS		.66	.86	.95	.95	1.25	2.79	3.63
KAMARANG	.33	.41	.53	.61	.90	.92	1.34	1.36
LEHTEM	.32	.43	.50	.71	.87	.99	1.97	2.02
MAHAICONY	.24	.45	.64	.89	1.00	1.22	1.74	1.74
MATTHEWS RIDGE	.26	.44	.56	.74	.80	.86	.97	1.09
NEW AMSTERDAM	.20	.34	.50	.72	1.16	1.24	2.16	2.80
ST.IGNATIUS	.21	.40	.53	.82	1.24	1.42	1.86	1.92
SKELDON FRONT	.21	.27	.31	.40	.60	.25	1.03	1.05
TIMEHRI APT	.20	.40	.51	.92	1.46	1.61	2.10	2.85
TIMEHRI CHS	.23	.38	.45	.74	1.20	1.27	1.76	1.77
WAUNA	.29	.35	.40	.66	1.11	1.24	1.24	1.55

TABLE V - SUMMARY OF WINDSPEED RECORDS MAY 1972

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
TRINIDAD												
CENTENO	07	18	22	4	07	22	2150	4	0	0	0	3.4
PIARCO APT	10	23	13	19	06	29	1315	20	0	0	0	7.0
TOBAGO												
CROWN POINT APT	12	17	15	21	10	25	1215	20	0	0	0	8.9
BARBADOS												
HUSBANDS CMI	08	22	11	3	07	34	0830	4	4	0	0	11.2
ANTIGUA												
COOLIDGE APT	10	24	04	5	13	35	0720	4	3	0	0	13.8
GUYANA												
EBINI	03	14	18	20	02	27	1430	26	0	0	0	4.4
GEORGETOWN BG	09	14	13	9	06	27	1940	6	0	0	0	7.8
GEORGETOWN ORR		27	14	30		35	1940	6	6	0	0	12.5
KAIETEUR FALLS	05	8	15	25	08	15	1410	25	0	0	0	2.3
KAMARANG	05	8	16	3	07	19	1700	18	0	0	0	1.4
WAUNA	07	12	14	20	07	29	1420	20	0	0	0	3.8



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Monthly

Weather

Summary

June 1972

**MONTHLY WEATHER SUMMARY**

**Prepared and published by the  
Caribbean Meteorological Institute  
Husbands, St. James, Barbados, W.I.**

**June 1972**

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6. Table VI: Summary of sunshine records

TABLE 1 SUMMARY OF OBSERVATIONS AT FIXED HOURS JUNE 1972

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY				MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (heights)						VISIBILITY (No. of Observations)					
			DRY BULB		WET BULB				VAPOUR PRESS. mb	REL HUM %	MEAN AMT	Number of Observations			yards			miles		
			°f	°f	°f	°f						0	1-2	3-5	6-7	8	9	0	1-2	3-5
TRINIDAD																				
CENTENO	50	08	79.4	76.7	30.1	88		4.0												
PENAL	25	08	77.9	75.7	29.4	91														
PIARCO APT	41	02	75.4	73.2	28.8	96	1013.4	3.2	4.9	0	5	11	12	2	0	0	0	0	0	0
	08	08	79.0	75.9	28.9	85	1014.3	5.8	5.6	0	4	6	20	0	0	0	0	0	0	0
	14	08	84.8	76.3	27.4	67	1013.2	12.3	6.4	0	0	7	22	1	0	0	0	0	0	0
PIARCO APT	41	20	77.6	75.1	28.8	85	1013.4	4.7	5.6	0	2	8	20	0	0	0	0	0	0	0
ST.AUGUSTINE UWI	52	09	81.5	76.2	28.4	77		12.6												
TOBAGO																				
CROWN POINT APT	02	08	78.2	74.7	27.7	84	1013.4	7.1	5.1	0	5	8	16	1	0	0	0	0	0	0
	08	14	81.9	76.3	28.3	76	1014.5	10.0	6.1	0	2	4	23	1	0	0	0	0	0	0
	14	20	85.9	77.5	28.5	67	1013.4	14.1	6.2	0	1	8	18	3	0	0	0	0	0	0
	20	20	79.5	75.2	27.0	81	1013.6	8.3	5.6	0	3	7	20	0	0	0	0	0	0	0
BARBADOS																				
HUSBANDS CMI	370	08	82.1	74.4	25.5	68	1015.4	15.8	5.6	0	0	14	16	0	0	0	0	0	0	0
	14	02	85.2	74.7	24.8	60	1014.1	18.2	6.2	0	0	7	22	0	0	0	1	0	0	0
SEAVELL APT	183	08	79.9	75.8	28.6	82	1014.0	11.8	4.5	0	5	15	9	1	0	0	0	0	0	0
	08	14	81.9	76.4	28.7	77	1015.3	12.9	5.3	0	2	13	14	1	0	0	0	0	0	0
	14	20	84.6	77.3	28.7	71	1014.2	13.6	4.7	0	7	10	13	0	0	0	0	0	0	0
	20	20	80.7	76.2	28.8	80	1014.7	12.0	5.0	0	2	15	12	1	0	0	0	0	0	0
ST.VINCENT																				
CAMDEN PARK	15	08	83.2	77.5	29.7	77	1016.6													
	16	16	84.2	77.7	29.5	74														
ST.LUCIA																				
BEAUSJOUR	75	08	81.9	76.4	28.6	77														
ROSEAU WINNAN		09	82.9	75.7	27.2	71														
VIGIE APT		08	81.9	75.4	27.0	73	1015.2	10.4	4.4	0	0	25	5	0	0	0	0	0	0	0
		14	85.0	75.9	26.3	64	1014.3	12.6	5.2	0	2	13	15	0	0	0	0	0	0	0
DOMINICA																				
MELVILLE HALL APT		08	81.2	75.7	28.0	77	1015.5	7.3	5.3	0	1	15	8	4	0	0	0	0	0	0
		14	83.8	77.0	28.7	73	1014.6	9.6	4.9	0	2	15	13	0	0	0	0	0	0	0









TABLE II SUMMARY OF DAILY OBSERVATIONS JUNE 1972

COUNTRY STATION	RAINFALL (inches)		NUMBER OF DAYS WITH. OR MORE THAN			AIR TEMPERATURE °F			MEAN GRASS °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH				
	TOTAL AMOUNT	MOST IN A DAY	DATE	.04	.40	1.00	MEAN	MEAN			MEAN	THUNDER	FOG	HAIL	GALE
							MAX	MIN	1/2(A+B)	MAX	MIN				
ST. KITTS/NEVIS															
LA GUERITE	3.60	.97	27	11	3	0									234.5
NEEDSMUST	3.35	1.00	28	9	4	1	88.7	75.4	82.0	92	72				
WEST FARM	3.24	.88	4	13	2	0									
BR. VIRGIN ISLAND															
PARAQUITO BAY	1.18	.52	15	5	1	0	86.9	77.7	82.3	89	73				245.9
JAMAICA															
ALLSIDES	3.39	2.25	7	4	2	1	81.7	63.9	72.8	86	61				147.1
BERNARD LODGE	6.06	2.90	15	5	4	2	88.1	67.1	77.6	91	63				215.5
BODLES	4.80	2.85	15	7	3	1	88.4	65.9	77.1	96	60				223.0
CAENWOOD	3.90	1.85	11	10	3	1									
CEDAR VALLEY	12.52	3.40	15	11	7	5	80.6	62.8	71.7	84	58				
CINCHONA GARDENS	5.52	3.25	15	9	3	2	72.6	57.6	65.1	81	54				
DALLAS	6.12	4.82	15	5	2	1	84.6	69.8	77.2	90	66				
DUCKENFIELD	5.04	1.70	15	15	3	2	87.2	74.9	81.1	89	72				189.0
EAST ALBION	5.63	2.15	15	9	5	2	87.5	74.6	81.1	90	69				
FARM HILL	3.53	.90	12	8	6	0	79.4			92					
FROME	5.45	1.26	26	12	6	1	89.6	71.0	80.3	92	68				179.2
GOVE PLACE	7.28	1.76	11	10	5	4	82.7			87					
HALLS DELIGHT	4.08	2.40	15	7	3	1	77.0	63.9	70.5	82	60				
HOPE GARDENS	4.88	4.20	15	5	2	1	90.4	63.6	77.0	93	61				
IRWIN	5.02	.75	8	14	6	0	90.9	70.1	80.5	93	67				
KINGSTON	4.64	3.30	15	4	3	1	88.1	75.7	81.9	92	73				
MARSHALLS PEN	7.42	2.63	11	9	5	2	79.2	67.6	73.4	83	62				
MASON RIVER	7.18	2.00	16	7	6	3	81.2	65.2	73.2	86	62				
MOTTEGO BAY APT	3.42	.86	14	13	2	0	88.9	73.3	81.1	92	70				224.3
MONYNUK	4.04	1.70	16	10	3	1	87.2	69.4	78.3	90	67				5 0 0 0

TABLE II SUMMARY OF DAILY OBSERVATIONS JUNE 1972

COUNTRY STATION	RAINFALL (inches)			NUMBER OF DAYS WITH OR MORE THAN			AIR TEMPERATURE °F			MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH				
	TOTAL AMOUNT	MOST IN A DAY	DATE	.04	.40	1.00	MEAN MAX A	MEAN MIN B	MEAN (A+B)/2			MAX	MIN	THUNDER	FOG	HAIL
										NO OF DAYS WITH						
<b>JAMAICA</b>																
MORANT POINT LH	7.74	2.43	11	8	4	3	85.7	79.2	82.4	87	74					
NEGRIL POINT LH	5.29	1.76	9	5	5	2	89.4	74.5	81.9	95	71					
ORANGE RIVER	5.39	1.97	15	10	5	2	85.6	64.1	74.9	88	59					
PALISADOES APT	6.78	4.86	15	4	3	1	87.5	78.0	82.8	92	72					
SMITFIELD	14.11	4.42	1	19	8	4	84.6	71.0	77.8	89	67					
WORTHY PARK	6.82	3.18	15	8	7	1	85.6	64.3	74.9	89	59					
<b>BELIZE</b>																
BELIZE APT	7.00	1.58	17	16	4	2	87.8	76.9	82.4	93	72					
<b>GUYANA</b>																
EBINI	7.28	1.13	15	19	6	1	88.1	72.5	80.3	90	70					
GEORGETOWN BG	12.59	2.42	11	23	12	3	84.1	74.3	79.2	86	72					
HOSORORO	11.76	2.09	24	25	8	3	85.1	72.2	78.6	88	70					
KAIETEUR FALLS	20.68	2.86	13	26	13	8	81.2	69.8	75.5	84	68					
KANARANG	9.98	1.56	5	26	6	4	81.8	67.9	74.9	85	66					
LETHEM	3.21	.66	10	12	3	0	89.4	73.1	81.2	92	70					
MABARUMA	14.35	2.09	22	26	12	5	84.3	72.0	78.1	88	70					
MARAJCONY	10.37	2.20	11	16	8	3	83.9	75.3	79.6	85	73					
MATTHEWS RIDGE	11.56	1.25	22	25	12	2	85.3	69.7	77.5	90	69					
MAZARUNI	14.04	3.70	14	22	12	3	88.2	74.3	81.2	89	72					
MON REPOS	10.65	1.55	8	24	7	3	83.9	72.9	78.4	85	70					
NEW AMSTERDAM	11.59	2.24	10	21	8	5	85.7	73.7	79.7	88	72					
PORT KAITUMA	13.60	1.96	5	24	12	2	85.1	71.7	78.4	89	69					
ST. IGNATIUS	3.98	.62	30	15	3	0	89.2	74.4	81.8	93	72					
TIMEHRI APT	12.04	1.28	10	24	12	4	85.3	72.2	78.7	89	71					
TIMEHRI CHS	12.43	1.42	24	25	10	5	85.2	71.4	78.3	90	70					
WAUNA	10.24	1.96	24	23	10	1	84.4	70.3	77.4	88	68					



TABLE III—SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS JUNE 1972

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)		SOIL TEMPERATURES OF								TOTAL RADIATION (langley)				
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	At 2 inch depth				At 4 inch depth				TOTAL AMOUNT IN A DAY	MOST IN A DAY	LEAST IN A DAY		
					MEAN MAX	MEAN MIN	EXTREMES		MEAN MAX	MEAN MIN	EXTREMES						
							DATE	MIN			DATE	MIN				DATE	MIN
<b>JAMAICA</b>																	
DUCKENFIELD			4.71	.24	29												
EAST ALBION	13	35	6.05	.42	18												
PROME			5.74	.29	26												
HALLS DELIGHT	35	107	5.36M	.41	28												
MONTEGO BAY APT	93	205															
NEGRIL POINT LN			4.17	.16	14												
ORANGE RIVER	34	95															
PALISADOES APT	175	259	10.28	.51	8												
SMITHFIELD	60	150	5.31	.29	24	88.0	71.1	92	18	68	85.3	73.6	91	71			
WORTHY PARK	52	133	4.90	.21	26												
<b>GUYANA</b>																	
ZBINI	45	80	5.55	.31	15												
GEORGETOWN HQ	54	101	4.22	.23	8						90.4	81.9	93	80			
KAIETEUR FALLS			4.01	.25	10												
KAMARANG	33	48	4.13	.27	10												
MARAICONY	139	200	7.00	.45	8												
ST. IGNATIUS	128	185	8.39	.40	6												
WAUNA	13	35	4.23	.26	25	89.6	76.1	95	12	74	86.4	77.8	90	75			
															9833	478	133

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS JUNE 1972

COUNTRY STATION	MAXIMUM AMOUNTS (Inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.36	.47	.57	.63	.63	.63	.88	.88
PENAL	.16	.20	.20	.23	.34	.36	.36	.41
PIARCO APT	.25	.33	.40	.41	.49	.59	.90	.90
ST. AUGUSTINE UWI		.27	.68	.68	.95	1.12	1.20	1.20
TOBAGO								
CROWN POINT APT	.15	.29	.32	.37	.37	.43	.45	.89
LOUIS D'OR	.15	.19	.20	.38	.38	.38	.38	.38
BARBADOS								
HUSBANDS CMI	.06	.07	.07	.08	.08	.08	.11	.12
MONTSERRAT								
GROVE	.41	.53	.53	.53	.53	.53	.82	.93
BR. VIRGIN ISLANDS								
PARAQUITO BAY	.22	.39	.40	.42	.42	.42	.42	.42
JAMAICA								
MONTEGO BAY APT	.16	.32	.42	.55	.62	.62	.86	.86
ORANGE RIVER	.24	.42	.64	.82	.97	1.11	1.19	1.19
PALISADOES APT	.27	.42	.54	.93	1.61	2.48	2.58	2.61
SMITHFIELD		.76	1.45	2.23	2.58	3.66	4.42	4.42
GUYANA								
EBINI	.30	.60	1.00	1.08	1.13	1.13	1.13	1.13
GEORGETOWN BG	.46	.74	.81	.86	1.22	1.23	1.63	1.64
KAITEUR FALLS	.44	.54	.60	.68	1.36	1.58	2.63	2.75
KAMARANG	.37	.45	.59	.59	1.26	1.45	1.54	1.56
LETHEM	.26	.38	.49	.51	.52	.52	.65	.66
MAHAICONY	.35	.48	.65	.75	.85	1.22	2.44	2.62
TIMERRI APT	.36	.50	.54	.60	.65	.84	1.03	1.06
TIMERRI CHS	.25	.37	.46	.71	1.04	1.30	1.39	1.42
WAUNA	.65	.67	.68	.76	.89	.89	.89	.89

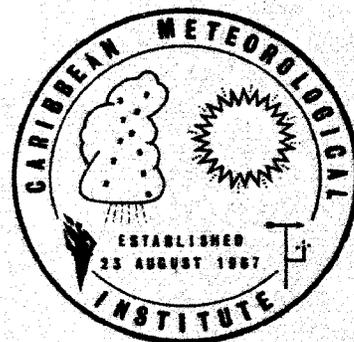
TABLE V - SUMMARY OF WINDSPEED RECORDS JUNE 1972

COUNTRY STATION	HIGHEST HOURLY WIND			HIGHEST GUST			NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED		
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33		47	63
TRINIDAD												
CENTENO	09	17	12	4	09	21	1105	4	0	0	0	3.1
PIARCO APT	09	18	12	4	13	31	1620	1	0	0	0	6.9
TOBAGO												
CROWN POINT APT	13	19	20	3	11	29	2045	28	0	0	0	9.8
BARBADOS												
HUSBANDS CMI	10	26	13	18	07	41	1225	28	37	0	0	13.5
ANTIGUA												
COOLIDGE APT	11	20	11	4	08	33	0500	29	0	0	0	13.3
GUYANA												
EBINI	06	15	18	15	06	40	1730	15	1	0	0	4.0
GEORGETOWN BG	08	12	03	3	07	30	1205	29	0	0	0	6.4
KAIETEUR FALLS	05	7	19	3	05	16	1815	3	0	0	0	1.8
KAMARANG	06	10	11	1	06	19	1525	27	0	0	0	1.1
WAUNA	07	12	13	29	05	24	1520	3	0	0	0	3.4

TABLE VI - SUMMARY OF SUNSHINE RECORDS JUNE 1972

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)												TOTAL DURATION (hours)	PERCENT G POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					MORE THAN 12		
																	NIL	0-1-0	1-1-0	2-1-0	3-1-0		4-1-0	5-1-0
	5-8	6-8	7-8	8-8	9-8	10-8	11-8	12-8	13-8	14-8	15-8	16-17												
TRINIDAD																								
CENTENO	0	4	28	37	46	43	37	37	45	43	39	33	3	0	119.0	31	10.2	3	0	11	10	8	1	0
PEVAL	0	1	22	22	19	32	41	38	39	41	36	28	11	0	99.0	26	9.3	2	3	14	7	5	1	0
PIARCO APT	0	32	58	67	66	72	58	59	59	62	52	52	27	0	199.1	52	11.5	3	0	3	11	8	7	0
ST. AUGUSTINE UWI	0	30	63	62	65	66	60	66	64	59	58	54	25	0	201.3	53	11.1	2	0	4	7	11	8	0
TORAGO																								
CROWN POINT APT	0	36	72	75	82	74	79	75	74	64	60	58	30	0	233.5	61	11.3	3	0	4	5	6	15	0
LOUIS D'OR	0	1	40	54	63	73	70	73	72	65	47	29	7	0	178.0	46	9.1	23	1	5	5	18	1	0
GRENADA																								
MIRABEAU	0	19	48	60	76	79	73	68	62	58	48	31	7	0	189.1	49	10.7	3	0	4	6	17	3	0
BARBADOS																								
HUSBANDS CMI	0	45	78	75	88	88	85	88	83	71	80	71	43	0	273.2	71	11.4	15	0	0	4	5	21	0
SEAWELL APT	0	25	71	83	85	85	88	91	87	85	85	68	28	0	263.9	68	11.1	1	0	2	1	7	18	0
DOMINICA																								
MELVILLE HALL APT	2	46	74	72	77	83	82	84	84	78	81	63	29	0	255.9	66	11.4	24	0	1	3	10	16	0
MONSTERRAT																								
GROVE	0	6	33	43	61	68	76	74	75	70	65	51	14	0	190.9	48	10.0	2	2	3	6	15	4	0
ST. KITTS/NEVIS																								
LA GUERITE	2	36	70	79	88	83	75	72	70	66	64	49	28	0	234.5	59	11.4	13	0	3	6	6	14	0
BR. VIRGIN ISLANDS																								
PARAQUITO BAY	0	38	72	75	81	80	75	83	77	80	66	56	28	0	245.9	62	11.6	22	0	3	4	6	17	0
GUYANA																								
EBINI	0	13	36	37	44	57	58	57	49	44	30	25	8	0	137.4	37	8.6	30	0	7	15	8	0	0
GEORGETOWN BG	0	0	23	45	55	55	57	61	67	65	59	43	14	0	162.2	43	10.0	16	2	4	10	9	5	0
KAITEUR FALLS	0	2	9	17	27	49	55	67	70	58	53	34	14	0	136.7	37	9.3	16	1	6	13	7	1	0
KAMARANG	0	6	25	27	24	28	27	29	50	41	28	26	8	0	95.9	26	6.7	21	0	15	13	2	0	0
MAHAICONY	0	11	30	42	54	52	53	55	63	67	58	47	18	0	171.2	47	10.7	16	0	8	4	8	7	0
MAZARUNI	0	3	19	33	42	34	27	24	24	30	25	17	3	0	84.5	23	8.9	8	0	17	6	3	0	0
MON REPOS	0	8	31	39	45	44	47	56	59	65	52	37	10	0	147.2	39	11.0	26	2	9	8	6	5	0
SKELDON FRONT	0	29	53	51	57	54	64	54	48	59	51	35	14	0	170.7	46	10.0	28	0	5	9	14	2	0
ST. IGNATIUS	0	32	46	61	64	81	86	80	75	75	80	69	30	0	233.9	63	11.4	17	0	2	6	10	12	0
WAUNA	0	12	41	42	37	34	31	26	24	24	21	16	6	0	94.3	25	8.4	11	1	17	8	4	0	0

A  
QC  
987  
C3C3



British Honduras

Cayman Is.

Br. Virgin Is.

Anguilla

Jamaica

St. Kitts  
Nevis

Barbuda

Antigua

Montserrat

Dominica

SILVER SPRING CENTER  
MAR 22 1978  
N.O.A.A.  
U. S. Dept. of Commerce

St. Lucia

St. Vincent  
Grenadines

Barbados

Grenada

Tobago

Trinidad

Guyana

Monthly

Weather

Summary

July 1972

MONTHLY WEATHER SUMMARY

Prepared and published by the  
Caribbean Meteorological Institute  
Husbands, St. James, Barbados, W.I.

July 1972

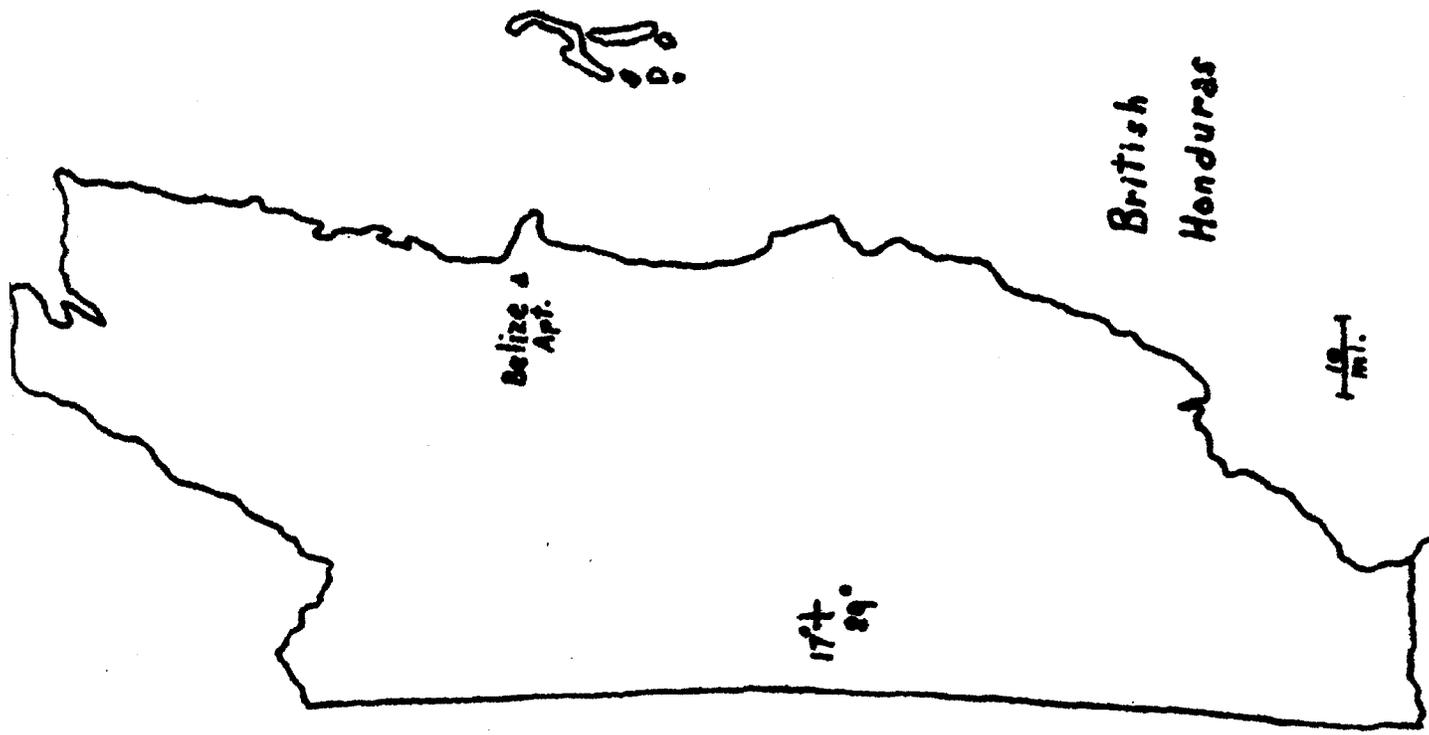
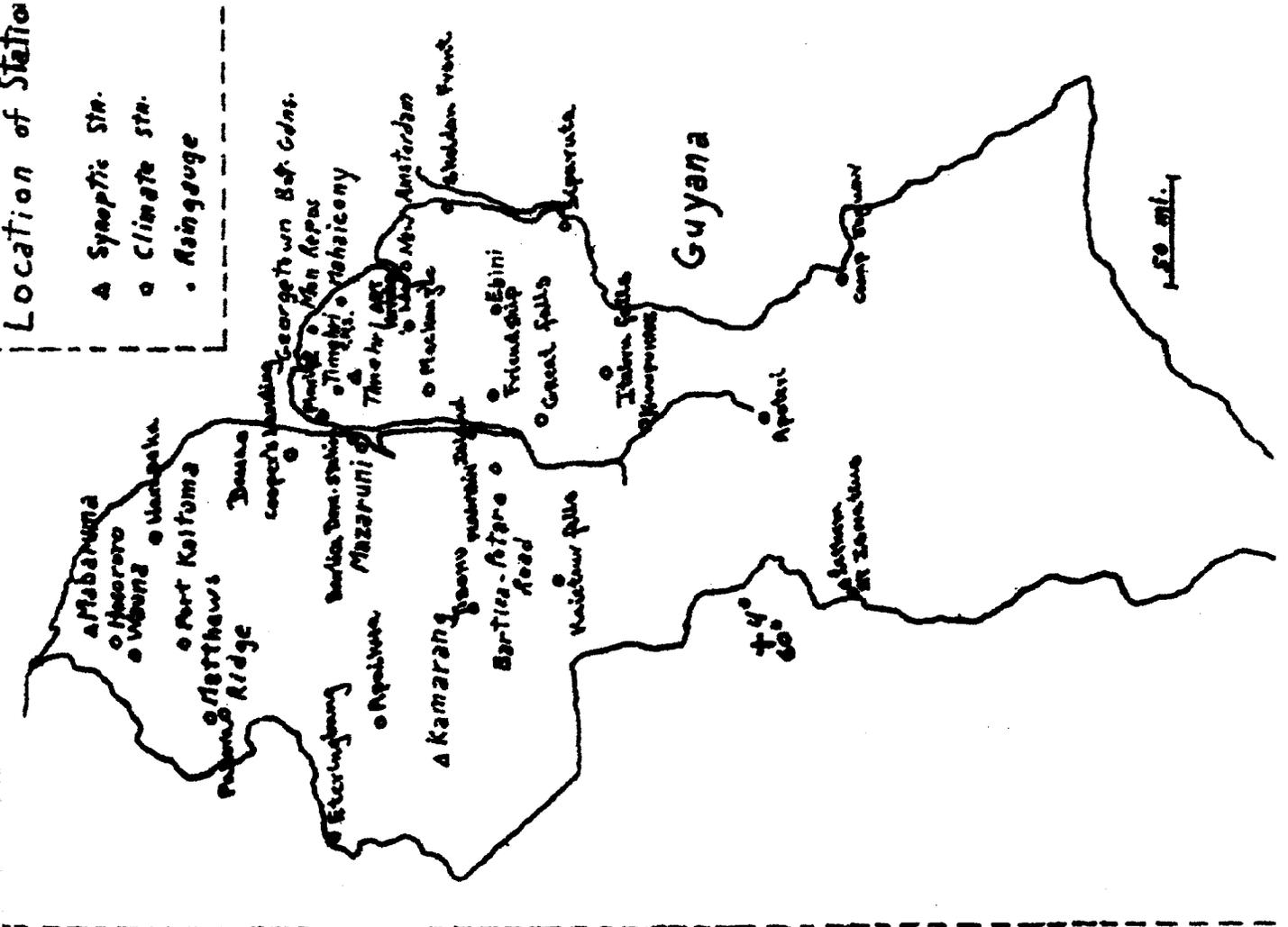
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Location of Station

- △ Synoptic Sta.
- Climate sta.
- Rain gauge



## NOTES ON THE OBSERVATIONS AND SUMMARIES

### GENERAL

1. The maps show the approximate location of the stations, including some that are in the process of being established and others from which returns are sometimes delayed. Thus in any particular month summaries for a station may not appear in the tables. It is expected that supplementary tables, incorporating previously missed observations, will be added from time to time. A complete station list is published in the January issue each year.
2. Thermometers are exposed in louvered wooden screens with their bulbs approximately 4 feet above the ground. Forced ventilation of the wet and dry bulb thermometers is not generally used.
3. At most stations the raingauge has its rim 1 foot above the ground but in Guyana this height is generally one metre. Most of the standard gauges are 5 inches in diameter; the recording gauges, usually of the tilting-syphon or natural-syphon types, are either 5 or 8 inches in diameter.
4. Local Standard Time (LST) in Belize is 6 hours behind Greenwich Mean Time (GMT); in Jamaica and the Cayman Islands, it is 5 hours behind, and in the rest of the countries, it is 4 hours behind. For some of the daily observations the unit of time is the calendar day; for others, it is the 24-hour period commencing at the time of the morning observation on that date and called the "Climate day".
5. In each summary table, stations are arranged in alphabetical order within countries. The countries are arranged in geographical order commencing with Trinidad, then moving northwards and westwards along the island chain through Jamaica and the Cayman Islands to Belize, and concluding with Guyana.
6. A blank space indicates that data are not available, or were considered unreliable.

### TABLE I

1. This table gives summaries of observations made at fixed hours, LST. At synoptic stations these are the main synoptic reporting hours (00, 06, 12, 18h GMT). At other stations they are the one or two hours at which observations are made each day.

## II

2. The mean dry bulb and wet bulb temperatures are the averages of the 30 or 31 (28 or 29 for February) daily values as measured at that time of day. The mean vapour pressure is similarly the average of the 30 or 31 computed daily values. On the other hand, the mean relative humidity is computed as the ratio of the mean vapour pressure to the saturation vapour pressure at the mean dry bulb temperature.

3. Barometric pressure is generally measured only at synoptic stations. The values given are the means of the 30 or 31 daily observations at that time, each reduced to mean sea level before being averaged.

4. The observation hour windspeed is generally read from an indicator, but at some stations it is taken from the anemograph chart. The average of the 30 or 31 daily values is given in this table. They must be considered as indicating only the mean speed during the month for a particular time of day, and a mean daily windspeed should not in general be calculated from them. This is particularly true of stations with only one or two hourly observation times, and at those where the four synoptic hour values indicate a significant diurnal effect.

5. Cloud cover is observed at synoptic stations and reported as the fraction of the sky (in eighths) that is occupied by cloud. The mean amount given here is the average of the 30 or 31 daily reports for that time of day. The number of days on which the sky was clear at that time of day (0 eighths), mostly clear (1, 2), partly cloudy (3-5), mostly cloudy (6, 7), or overcast (8) is given in the following columns. An entry in the column headed "9" would indicate an observation for which the sky was either partially or wholly obscured (as, for instance, by fog). It should be noted that the total number of observations in the six columns will be equal to the number of days in the month, unless an observation was missed.

6. Visibility is reported from the synoptic stations in terms of the number of miles (or yards) at which objects are clearly distinguishable. This is customarily "10 or more miles" unless some obscuring material (usually haze, smoke, fog or rain) is present in the air. Again, the total number of observations in these eight columns will be equal to the number of days in the month unless an observation was missed.

### TABLE II

1. This table gives summaries of the usual daily observations. All stations listed in Table I should also have entries here. In addition, stations observing only rainfall and/or temperature extremes, will be included in Table II but not in Table I.

2. The rainfall data from the standard raingauge at each station. The observation is taken in the morning usually at 12h GMT (i.e. at 6 to 8 A.M. LST) and is entered to the previous day. The "climate day" thus terminates at the time of the following morning's observation and not at midnight. The most rain in a day, the date on which it occurred,

/ct'd...

### III

and the number of days with amounts exceeding .04, .40 and 1 inch, all refer to the "climate day".

3. Maximum and minimum temperatures are read in the morning, with the maximum being entered to the previous day. As indicated, the mean daily temperature given in this table is the average of mean maximum and mean minimum temperatures. The highest maximum and lowest minimum observed during the month are also given.

4. The grass minimum temperature is found from a thermometer exposed to the atmosphere at a height of 2 inches above the ground. As it will cool through overnight radiation loss, generally lower temperatures than those from the screened thermometers will be observed. The mean of the 30 or 31 daily values is given in the table.

5. All stations for which monthly sunshine totals are given here will normally have entries in Table VI as well.

6. At synoptic and a few other stations, the observer is asked to note the occurrence of thunder, fog, hail or gale (i.e. a mean windspeed in excess of 34 knots). The total number of calendar days during the month with such occurrences is given here. It should be emphasized that unless the station is manned continuously, these events, particularly thunder, are likely to be under-counted.

### TABLE III

1. This table gives summaries of additional daily observations of importance primarily to agriculture.

2. The wind mileage data are from totalizing cup anemometers set 6 feet above the ground. The counters are read at the morning observation hour and hence both the "daily mean" and "most in a day" figures refer to the climate day rather than the calendar day. It should be noted that, as the mean hourly windspeeds calculated from these values would refer to a 6 foot height, they will be significantly lower than those means that may appear for the same stations in Table V,

3. Evaporation is usually measured using a Class A pan, a metal container, 4 feet in diameter and 10 inches deep, which is exposed on a wooden platform just above the ground. The water depth in the pan is maintained at between 7 and 8 inches, with changes in the level being measured at each morning's observation. The total water loss for the month is given in the table together with the maximum daily loss during the month and the date on which it occurred. Both these last entries refer to the climate day. Daily readings are sometimes missed when the pan is cleaned or repaired. If more than four readings in a month are missing, no total is shown, if three or four readings are missing, the total is adjusted and printed with the letter 'M' next to it, if one or two readings are missing, the adjusted total is printed but without an 'M'.

/ct'd...

4. Soil temperature extremes are read in the morning; the maxima being entered to the previous day. The mean maximum, mean minimum and extremes are given for the two depths that are most frequently instrumented at the various stations.

5. Radiation measurements are mostly from Gunn-Bellani pyranometers that are read in the morning and are entered to the previous day. While the most and least in a day will refer to the climate day, there will be little difference for solar radiation between climate and calendar days as the morning observation is generally taken shortly after sunrise.

#### TABLE IV

1. This table gives maximum rainfall amounts during specified periods of time, as determined from the charts of recording raingauges.

2. It is important to note that, presently, the measurement of maximum amounts at some stations is confined to single 24-hour periods (the climate, or rainfall day) while at others two daily charts may be combined when necessary for the determination of maximum amounts. These two procedures are likely to produce divergent results only for the 6 and 12 hourly periods, with the former method tending to under-record these maximum amounts.

#### TABLE V

1. This table gives mean windspeeds and details of the highest winds recorded at stations possessing anemographs. These figures normally relate to heights of between 30 and 60 feet above the ground.

2. For each hour during the month a mean windspeed to the nearest knot is read off the chart. The prevailing wind direction to the nearest  $10^{\circ}$  is also given. The highest speed for any clock hour is given in this table, together with the corresponding direction and time and date of occurrence.

3. The direction, speed and occurrence time of the highest gust during the month is also given. While response characteristics of the different anemographs in use varies, this will generally represent the speed over a 2-5 second averaging time.

4. The number of hours during the month in which one or more gusts occur that exceed 33, 47 and 63 knots (i.e. Beaufort force 7, 9 and 11 respectively), are given in the next three columns. These values correspond to 38, 55 and 72 miles per hour.

5. The average of all the hourly anemograph values during the month is given in the last column. At stations where the diurnal effect is relatively small, this figure and the average of the four windspeed entries for synoptic stations in Table I should be reasonably close.

/ct'd.....

TABLE VI

1. This table gives summaries of the hourly and daily amounts of sunshine, measured by Campbell-Stokes sunshine recorders. The time scale produced by the recorder and used here is centred on solar noon and is referred to as local apparent time (LAT). Except for the Cayman Islands, local apparent time does not differ from the local standard time by more than + 10 minutes on average.

2. During each hour the amount of direct sunshine is measured in tenths of an hour. The mean duration figures given here are the averages of the 30 or 31 daily values for that hour; as they are in hundredths, they can also be considered as giving directly the percentage of time that the sun shone for each hour during the day.

3. The total duration in hours will be equal to the sum of the previous columns times the number of days in the month. It is also expressed as a percentage of the maximum amount possible, based on the stations' latitude and the season.

4. The most sunshine in any day and the date of occurrence are given; where two or more days are tied for maximum, only the earlier date is listed.

5. The number of days with sunshine amounts in different ranges is given in the last part of the table. The sum of the entries here should equal the number of days in the month. Where they do not, it indicates that one or more values have been missed; provided that fewer than 6 days are missing, the monthly total duration will have been adjusted to represent the whole month.

TABLE 1 SUMMARY OF OBSERVATIONS AT FIXED HOURS JULY 1972

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY				MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (heights)					VISIBILITY (No. of Observations) yards					10 00	10 00								
			DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %			Number of Observations					0-100	100-1500	1500-2000	miles											
									0	1, 2	3-5	6, 7	8				9	0			1	2	3	4	5			
TRINIDAD																												
CENTENO	50	08	79.2	76.8	30.3	85																						
PENAL	25	08	77.8	76.0	29.7	91																						
PIARCO APT	41	02	76.2	74.8	28.9	94	1013.6	4.4	5.5	0	2	12	15	2	0	0	0	0	0	0	1	0	12	18				
		08	78.7	76.2	29.7	89	1014.5	6.3	5.9	0	3	6	20	2	0	0	0	0	0	0	1	2	2	9	17			
		14	84.7	77.4	28.8	71	1013.5	11.9	6.3	0	0	8	19	4	0	0	0	0	0	0	1	0	1	6	23			
PIARCO APT	41	20	78.0	75.6	29.1	89	1013.8	5.3	5.4	0	2	13	13	3	0	0	0	0	0	0	0	0	0	8	23			
ST.AUGUSTINE UWI	52	09	81.0	76.3	29.0	80	12.5																					
TOBAGO																												
CROWN POINT APT		02	78.1	75.2	28.5	87	1013.6	5.9	5.5	0	1	10	19	1	0	0	0	0	0	0	0	0	0	7	24			
		08	81.1	76.7	29.5	81	1014.8	9.8	5.6	0	3	9	18	1	0	0	0	0	0	0	1	0	11	19				
		14	84.2	77.9	29.8	75	1013.6	12.4	5.4	0	3	11	15	2	0	0	0	0	0	0	0	0	0	11	20			
		20	78.8	75.5	28.6	85	1014.1	6.1	5.5	0	1	13	15	2	0	0	0	0	0	0	0	0	0	12	19			
LOUIS D'OR	40	08	81.3	76.5	29.1	80		1.1																				
BARBADOS																												
HUSBANDS CMI	370	08	80.4	74.8	26.9	76	1015.6	16.4	5.6	0	2	11	16	2	0	0	0	0	0	0	1	5	6	19				
		16	82.0	74.9	26.2	70	1013.9	17.1	6.2	0	0	9	17	3	0	0	1	0	0	0	0	4	10	15				
SEAWELL APT	183	02	79.7	76.1	29.2	84	1014.3	15.2	5.2	0	3	9	19	0	0	0	0	0	0	0	0	0	0	0	31			
		08	81.4	76.8	29.3	80	1015.5	16.4	5.5	0	2	11	15	3	0	0	0	0	0	0	0	0	0	0	31			
		14	84.1	77.5	29.3	73	1014.5	16.7	5.7	0	2	10	17	2	0	0	0	0	0	0	0	1	0	30				
		20	80.5	76.3	29.1	82	1015.2	14.7	4.7	0	5	13	11	2	0	0	0	0	0	0	0	0	1	30				
ST. VINCENT																												
CAMDEN PARK	15	08	82.6	77.0	29.1	77																						
		16	84.2	77.2	28.7	72																						
ST. LUCIA																												
BEAUSEJOUR	75	08	82.0	79.3	32.9	88																						
ROSEAU WINBAN		09	85.2	78.9	29.0	70																						
VIGIE APT		08	81.4	75.8	27.9	76	1015.4	10.4	4.9	0	2	18	10	1	0	0	0	0	0	0	0	0	0	0	31			
		14	84.4	76.6	27.8	69	1014.8	12.9	4.9	0	0	22	7	2	0	0	0	0	0	0	0	0	0	1	30			
DOMINICA																												
MELVILLE HALL APT		08	81.4	76.2	28.4	78	1016.4	9.0	5.2	0	2	12	12	1	0	0	0	0	0	0	0	1	25	1				
		14	83.7	77.3	29.1	74	1015.4	10.2	5.6	0	0	16	12	3	0	0	0	0	0	0	0	0	0	15	16			

TABLE 1 SUMMARY OF OBSERVATIONS AT FIXED HOURS JULY 1972

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY			MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (height)					VISIBILITY (No. of Observations)							
			DRY BULB °F	WET BULB °F	VAPOUR PRESS mb			REL HUMI %	MEAN AMT	Number of Observations				0-4.0	4.0- 1.00	1.00- 2.00	2-3	3-5	5-10	10 or more
										0	1, 2	3-5	6, 7							
ANTIGUA																				
COOLIDGE APT	26	08	82.1	77.2	29.7	79	1013.8	15.0	4.7	0	2	15	12	0	0	0	0	0	0	29
		14	85.4	78.3	29.8	72	1016.8	16.0	4.1	0	5	18	4	2	0	0	0	0	0	29
		20	80.8	76.5	29.3	82	1017.0	14.4	3.2	0	14	10	4	1	0	0	0	0	0	29
ST. KITTS/NEVIS																				
GOLDEN ROCK APT		08	81.4	75.4	27.4	75	1018.6	15.5	5.1	0	0	20	11	0	0	0	0	0	0	28
		14	84.9	76.7	27.8	68	1018.7	15.8	4.3	0	6	11	9	0	0	0	0	0	0	25
LA GUERITE	158	09	83.9	76.9	29.1	73														
		15	83.8	77.4	29.6	75														
JAMAICA																				
ALLSLES	2730	07	71.7	68.6	22.5	85														
BERNARD LODGE	55	08	84.5	79.4	32.1	79														
BODLES	60	07	79.1	74.7	27.5	81														
CEDAR VALLEY	1980	07	88.4	76.7	26.2	57														
		07	74.5	70.4	23.6	81														
CEDAR VALLEY	1980	13	81.3	73.1	24.2	66														
CINCHONA GARDENS	4900	07	65.5	62.3	17.8	83														
		16	68.7	65.0	19.5	82														
DALLAS	950	09	83.2	73.9	24.5	63														
		15	86.4	74.9	24.4	57														
DUCKENFIELD	160	08	84.1	78.3	29.2	73														
EAST ALBION	90	07	82.3	75.3	26.8	71														
FARM HILL	4020	16	87.4	76.4	26.2	59														
		07	67.3	62.2	16.8	74														
		13	75.1	67.8	20.0	67														
GROVE PLACE		07	77.9	71.4	23.4	72														
HOPE GARDENS	710	07	73.0	68.3	21.6	78														
IRWIN	80	07	81.2	76.8	29.7	82														
KINGSTON	90	15	87.5	79.1	30.4	68														
		07	80.3	74.0	26.0	74														
KINGSTON	90	13	89.6	79.5	30.0	63														
MARSHALLS PEN	2300	07	73.3	70.0	23.0	82														
		13	80.6	75.3	27.1	76														
MASON RIVER	2300	07	71.4	69.7	24.0	91														
		13	81.3	73.5	24.7	68														
							3.4			4	10	8	8	0	1					
							4.8			0	6	8	16	0	1					





TABLE II SUMMARY OF DAILY OBSERVATIONS JULY 1972

COUNTRY STATION	RAINFALL (inches)				AIR TEMPERATURE °F						MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH				
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH, OR MORE THAN	MEAN MIN	MEAN MAX	MEAN		EXTREMES MAX MIN	THUNDER			FOG	HAIL	DALE		
							1/2 (A+B)	A									
			.04 -0 1.00	B													
TRINIDAD																	
CENTENO	11.83	1.29	6	26	12	1	85.9	73.7	79.8	88	71	167.8					
PENAL	9.44	1.29	6	21	8	2	86.3			88		152.4					
PIARCO APT	11.37	1.21	6	25	8	2	86.8	74.0	80.4	89	71	218.8	5	0	0	0	0
ST-AUGUSTINE UWI	6.99	1.35	6	21	6	1	87.2	72.3	79.8	89	69	203.6					
TOBAGO																	
CROWN POINT APT	6.36	1.21	26	20	5	1	85.4	75.0	80.2	87	73	232.4	3	0	0	0	0
LOUIS D'OR	8.41	1.10	6	23	8	2	84.7	76.7	80.7	86	72	190.8					
BARBADOS																	
HUSBANDS CMI	4.68	1.40	11	15	5	1	86.8	75.2	81.0	90	73	223.7					
SEAWELL APT	3.14	.46	11	18	2	0	85.8	77.3	81.6	87	73	242.3					
ST. VINCENT																	
CAMDEN PARK	9.97	2.19	14	24	9	1	86.5	75.1	80.8	90	70						
ST. LUCIA																	
BEAUSEJOUR	4.47	.80	13	18	3	0	85.7	71.0	78.4	88	68	57.7					
ROSEAU WINBAN	9.17	1.75	14	19	8	3	85.8	74.7	80.3	88	71	217.6					
DOMINICA																	
MELVILLE HALL APT	4.02	.63	27	19	3	0	85.6	77.5	81.6	88	74	218.5					
ANTIGUA																	
COOLIDGE APT	2.26	.88	2	10	2	0	87.2	78.4	82.8	89	75						



TABLE II SUMMARY OF DAILY OBSERVATIONS JULY 1972

COUNTRY STATION	RAINFALL (inches)				NUMBER OF DAYS WITH, OR MORE THAN				AIR TEMPERATURE °F				MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO. OF DAYS WITH		
	TOTAL AMOUNT	MOST IN A DAY	DATE		-0.4	-0.0	1-0.0	A	MEAN MIN	MEAN	EXTREMES				THUNDER	FOG	HAIL
			MO	DA							MAX	MIN	MAX	MIN			
<b>JAMAICA</b>																	
NEGRIL POINT LH	5.71	1.78	17	12	4	2	90.8	74.0	82.4	94	72	26	0	0	0	0	
ORANGE RIVER	2.29	.74	4	7	2	2	86.4	65.4	75.9	89	60	242.9					
PALISADOES APT	.07	.07	24	1	0	0	90.5	78.3	84.4	93	72	247.7					
SMITHFIELD	8.67	1.20	14	16	8	2	86.0	70.9	78.4	90	68	241.6					
WORTHY PARK	5.96	1.97	20	13	7	1	86.1	64.8	75.4	89	63	181.5					
<b>BELIZE</b>																	
BELIZE APT	12.94	2.36	30	19	8	4	85.9	75.9	80.9	89	71	11	1	0	0	0	
<b>GUYANA</b>																	
EBINI	7.04	1.49	6	19	8	1	88.8	72.2	80.5	91	71	196.1					
GEORGETOWN BG	7.76	1.71	4	14	7	4	85.4	75.0	80.2	87	72	221.5					
HOSORORO	9.66	1.38	4	25	10	1	85.4	72.7	79.1	90	71						
KAIETEUR FALLS	18.22	1.96	19	23	12	6	81.9	69.8	75.9	86	66	190.0					
LETHEM	8.64	2.61	5	16	8	1	88.9	72.9	80.9	92	69						
MABARUNA	12.86	1.67	4	29	12	3	85.7	72.7	79.2	89	71						
MAHAICONY	3.57	.70	5	12	4	0	84.9	75.8	80.4	86	73	259.6					
MATTHEWS RIDGE	14.90	1.24	21	26	17	3	88.0	69.5	78.7	89	68						
MAZARUNI	9.01	1.64	23	18	7	3	88.0	71.6	79.8	89	70	133.7					
MON REPOS	6.00	1.25	4	13	6	2	85.6	73.2	79.4	88	70	233.5					
<b>NEW AMSTERDAM</b>																	
PORT KAITUMA	7.91	1.48	12	16	8	3	86.9	73.8	80.3	88	72						
ST. IGNATIUS	13.53	2.19	25	23	12	5	86.6	71.7	79.2	91	69						
TIMEHRI APT	10.00	3.14	5	16	9	2	88.3	73.5	80.9	91	71	238.9					
TIMEHRI CHS	10.60	1.85	5	22	8	3	87.4	72.4	79.9	90	71						
WAUNA	9.97	2.25	5	22	9	2	87.6	71.4	79.5	90	70	132.8					
		1.74	4	25	9	1	86.4	70.7	78.5	89	68						

TABLE III-SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS JULY 1972

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (Inches)		SOIL TEMPERATURES °F												TOTAL RADIATION (Langley's)		
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	At 2 inch depth				At 4 inch depth				TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY				
					MEAN		EXTREMES		MEAN		EXTREME								
					MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN							
				DATE		DATE													
TRINIDAD																			
CENTENO	81	152	5.94	.29	16												15199	756	197
PENAL	52	78	4.59	.27	27														
FIARCC APT	94	146	6.70	.30	4														
ST.AUGUSTINE UWI	72	129	4.50	.25	24														
TOBAGO																			
CROWN POINT APT	116	133	6.89	.36	5														
LOUIS D'OR	25	56	5.71	.56	23														
BARBADOS																			
HUSBANDS CMI	174	259	8.78	.49	19	87.4	71.7	93	29	69									
ST.VINCENT																			
CAMDEN PARK	135	229																	
ST.LUCIA																			
BEAUSEJOUR	258	362	7.44	.38	31												18249	700	322
ST.KITTS/NEVIS																			
LA GUERITE WEST FARM	210	300	5.91M	.33	20														
BR.VIRGIN ISLANDS																			
PARAQUITO BAY	146	194	9.78	.39	24												14284	572	154
JAMAICA																			
ALLSIDES	146	237																	
BERNARD LODGE			8.55	.36	25												12018	548	228
BODLES	71	136	7.65	.39	28												18162	687	438

TABLE III--SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS JULY 1972

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)		SOIL TEMPERATURES OF										TOTAL RADIATION (langbeys)		
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	At 2 inch depth					At 4 inch depth					TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
					MEAN		EXTREME		MEAN		EXTREME						
					MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN					
<b>JAMAICA</b>																	
CEDAR VALLEY	64	102	9.13	.59	27												
EAST ALBION																	
FARM HILL	39	93	6.01	.32	31												
FROME																	
GROVE PLACE	44	158															
MONTIGO BAY APT	147	225															
NEGRIL POINT LH			4.01	.16	1												
ORANGE RIVER	43	67	6.82M	.34	17												
PALISADOES APT	170	312	10.54M	.46	28												
SMITHFIELD	58	77				88.8	71.2	92	29	69	86.2	73.7	90	72			
WORTHY PARK	35	68	4.97	.18	8												
<b>GUYANA</b>																	
EBINI	51	74	6.09	.28	28												
GEORGETOWN BG	59	83	4.96	.23	28												
KALETEUR FALLS			5.03	.27	24												
MAHAICONY	126	175	7.53	.33	4												
ST.IGNATIUS	90	126	8.36M	.37	12												
TIMEHRI CHS	43	74	4.50M														
WAUNA	11	35	4.50M	.30	5	90.8	76.5	96	2	74	87.4	78.0	91	75			
															11716	466	119

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS JULY 1972

COUNTRY STATION	MAXIMUM AMOUNTS (Inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
<b>TRINIDAD</b>								
CENTENO	.28	.47	.64	.76	.78	.88	1.25	1.29
PENAL	.40	.60	.67	.91	1.14	1.33	2.02	2.26
PIARCO APT	.24	.39	.51	.67	.72	.84	1.20	1.21
ST.AUGUSTINE UWI			.74	.74	.74	.87	1.05	1.35
<b>TOBAGO</b>								
CROWN POINT APT	.28	.36	.56	.74	.76	1.11	1.21	1.21
LOUIS D'OR	.24	.42	.60	1.04	1.04	1.04	1.10	1.10
<b>BARBADOS</b>								
HUSBANDS CMI	.24	.31	.42	.62	.63	.66	1.00	1.31
<b>BR.VIRGIN ISLANDS</b>								
PARAQUITO BAY	.28	.31	.42	.43	.47	.54	.56	.86
<b>JAMAICA</b>								
MORTEGO BAY APT	.41	.43	.60	.91	1.72	1.75	1.78	1.78
ORANGE RIVER	.44	.64	.72	.74	.74	.74	.74	.74
PALISADOES APT	.03	.04	.07	.07	.07	.07	.07	.07
SMITHFIELD			.74	.88	1.08	1.20	1.20	1.20
<b>GUYANA</b>								
EBINI	.28	.40	.48	.69	.69	.69	1.12	1.12
GEORGETOWN BG	.33	.40	.49	.54	.59	1.17	1.43	1.71
KAITEUR FALLS	.36	.52	.55	.98	1.66	2.30	2.84	2.90
LETHEM	.30	.48	.53	.68	.80	.98	.98	1.94
MAHAICONY	.18	.22	.31	.53	.54	.60	.62	.70
<b>NEW AMSTERDAM</b>								
ST.IGNATIUS	.28	.46	.87	1.05	1.86	1.22	1.38	1.48
TIMEHRI APT	.25	.42	.50	.54	.80	2.23	2.44	2.44
TIMEHRI CHS	.24	.45	.65	.78	1.11	.92	.96	1.11
WAUNA	.50	.60	.92	.92	.92	1.33	2.27	2.34
						.95	1.01	1.01

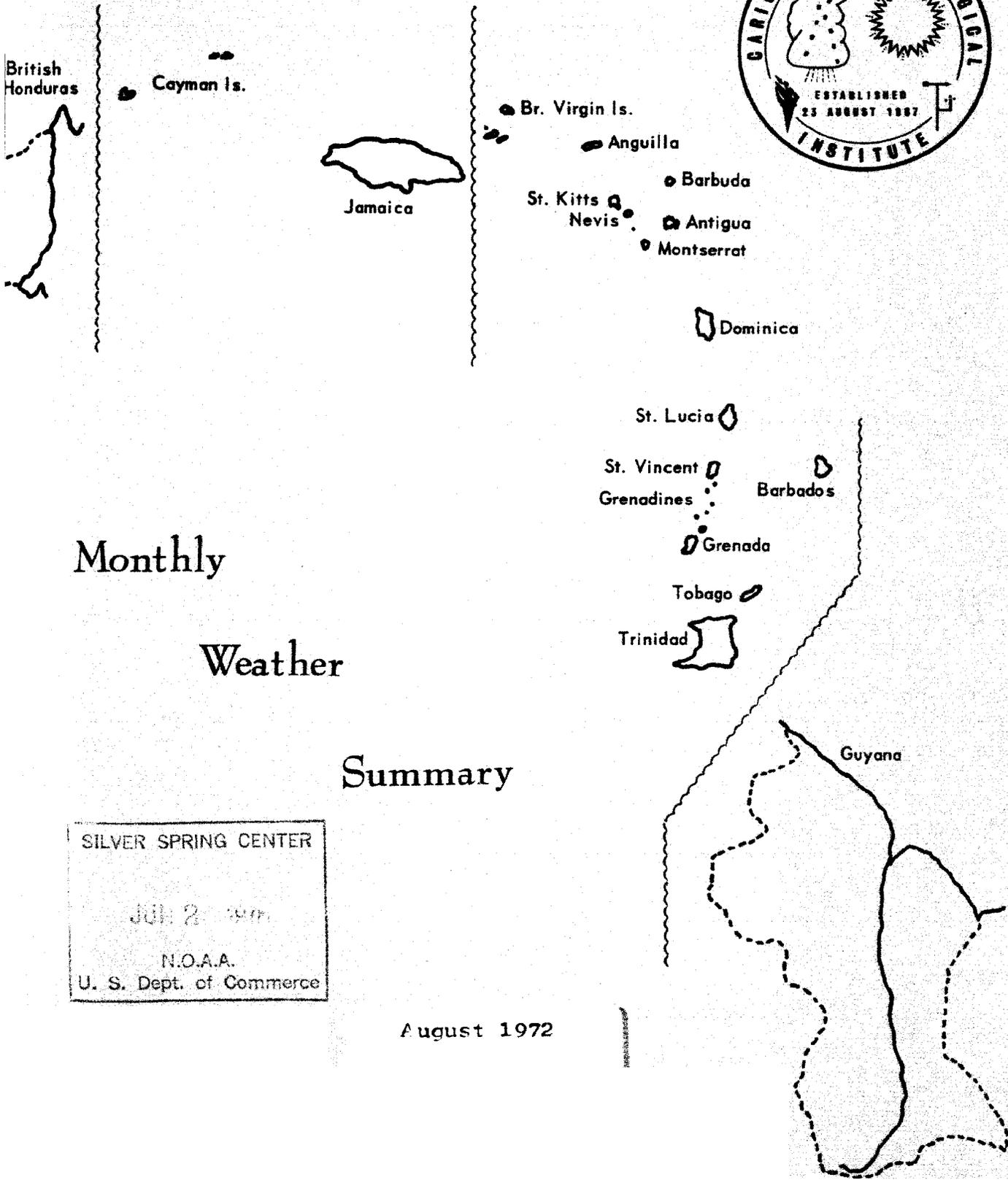
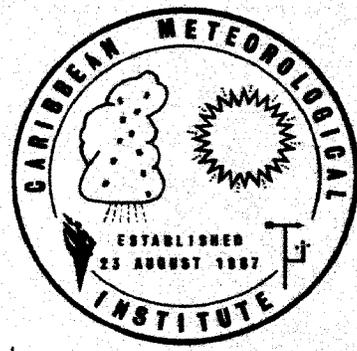
TABLE V - SUMMARY OF WINDSPEED RECORDS JULY 1972

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
TRINIDAD												
PIARCO APT	08	20	14	24	10	38	1525	9	1	0	0	6.0
TOBAGO												
CROWN POINT APT	09	18	12	24	09	30	1215	24	0	0	0	8.6
BARBADOS												
HUSBANDS CMI	09	27	12	6	11	42	1710	23	64	1	0	12.7
ANTIGUA												
COOLIDGE APT	07	21	08	9	07	32	0245	3	0	0	0	15.7
GUYANA												
EBINI	03	15	16	25	10	32	1600	9	0	0	0	4.2
GEORGETOWN EG	08	24	09	6	08	43	0810	6	2	0	0	6.7
GEORGETOWN ORR	06	28	09	6	06	46	0755	6	5	0	0	10.2
KALTEUR FALLS	06	6	17	8	07	14	1655	8	0	0	0	1.6
KAMARANG	06	8	13	9	10	21	1800	19	0	0	0	.9
TIMEHRI APT	05	14	13	9	04	24	0910	9	0	0	0	4.4
WAUNA	11	12	11	6	11	34	1040	6	1	0	0	3.1

TABLE VI - SUMMARY OF SUNSHINE RECORDS JULY 1972

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)												TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					MORE THAN 12			
	5-8		9-10		11-12		13-14		15-16		17-18						18-19		0-1-0	1-1-0	2-1-0		3-1-0	4-1-0	5-1-0
	0-7	8-7	0-9	10-8	11-10	12-11	13-12	14-13	15-14	16-15	17-16	18-17					19-18								
TRINIDAD																									
CENTENO	0	26	46	60	64	67	68	62	55	43	37	7	0	167.8	43	10.3	18	2	7	8	10	4	0		
PENAL	0	6	44	43	41	53	58	52	45	49	46	39	17	152.4	39	10.8	20	2	10	7	7	5	0		
PIARCO APT	0	25	50	64	75	78	79	75	72	63	48	52	25	218.8	56	11.1	18	1	2	7	11	9	0		
ST. AUGUSTINE UWI	0	27	54	62	67	68	68	69	72	57	49	43	22	203.6	52	10.9	30	2	3	7	11	8	0		
TOBAGO																									
CROWN POINT APT	0	31	59	70	71	81	77	71	71	71	64	55	27	232.4	59	11.0	13	0	6	3	6	16	0		
LOUIS D'OR	0	2	37	57	65	69	69	66	68	62	63	52	6	190.8	48	9.6	1	0	6	7	14	4	0		
GRENADA																									
MIRABEAU	0	12	21	40	51	62	65	65	52	43	38	23	4	147.6	37	8.9	21	0	7	11	13	0	0		
BARBADOS																									
HUSBANDS CMI	0	20	53	62	75	78	75	75	74	75	65	52	19	223.7	56	10.4	20	0	1	7	17	6	0		
SEAWELL APT	0	24	58	76	78	78	81	79	80	80	72	58	18	242.3	61	11.1	20	1	0	5	14	9	0		
DOMINICA																									
MELVILLE HALL APT	0	42	62	63	74	77	66	65	66	68	61	49	11	218.5	55	10.6	19	0	4	8	7	12	0		
ST. KITTS/NEVIS																									
LA GUERITE	0	22	61	79	86	88	87	87	81	77	74	63	30	227.2	64	11.2	8	0	2	1	10	14	0		
BR. VIRGIN ISLANDS																									
PARAQUITO BAY	0	51	79	86	87	90	90	94	94	86	82	66	27	288.4	71	11.2	19	0	1	0	8	22	0		
GUYANA																									
EBINI	0	18	34	54	59	72	71	69	74	59	56	47	21	196.1	51	10.9	15	1	5	7	13	5	0		
GEORGETOWN BG	0	0	33	61	67	68	72	79	81	84	77	67	26	221.5	57	10.2	16	0	4	3	15	9	0		
KATEUR FALLS	0	1	8	26	49	61	74	71	77	77	73	57	33	190.0	49	9.4	30	0	4	10	14	3	0		
MAHAICONY	0	32	61	69	74	76	77	85	86	82	81	73	45	259.6	67	11.7	16	0	4	2	8	17	0		
MAGARUNI	0	8	28	52	52	53	49	37	36	35	35	39	7	133.7	35	9.9	29	1	11	10	6	3	0		
MON REPOS	1	21	50	61	67	68	73	81	81	80	80	66	25	233.5	61	11.2	16	0	4	3	12	12	0		
SKELDON FRONT	0	49	64	65	74	66	66	62	57	59	57	59	40	222.2	58	11.5	29	0	6	7	8	10	0		
ST. IGNATIUS	0	33	49	54	64	73	76	76	77	77	68	77	29	238.9	63	11.5	30	0	4	4	8	15	0		
WAUNA	0	21	46	60	52	46	41	33	30	28	23	22	13	132.8	34	11.0	29	1	10	12	6	1	0		

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Monthly

Weather

Summary

SILVER SPRING CENTER  
JUL 2 1972  
N.O.A.A.  
U. S. Dept. of Commerce

August 1972

**MONTHLY WEATHER SUMMARY**

Prepared and published by the  
Caribbean Meteorological Institute  
Husbands, St. James, Barbados, W.I.

**August 1972**

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TABLE 1. SUMMARY OF OBSERVATIONS AT PIERCED MOUNT, BARBADOS, 1968-1972

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR	MEAN TEMPERATURE AND HUMIDITY				MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (heights)						VISIBILITY (No. of Observations)					
			MEAN TEMPERATURE AND HUMIDITY		REL HUM %				Number of Observations			yards			miles					
			DRY BULBS °F	WET BULBS °F	VAPOUR PRESS mb	REL HUM %			0	1, 2	3-5	6, 7	8	9	0-40	40-100	100-200	1-2	2-3	3-5
<b>TRINIDAD</b>																				
CENTEHO	50	08	80.1	76.8	30.0	85														
PENAL	25	08	78.0	76.0	29.7	90														
PIARCO APT.	41	02	75.1	73.7	27.7	93	1012.8	1.4	0	9	6	16	0	0	0	0	0	0	0	
	14	08	79.7	76.4	26.2	75	1013.6	5.5	0	13	6	12	0	0	0	0	0	0	0	
PIARCO APT ST. AUGUSTINE UWI	41	20	85.3	77.2	28.2	67	1012.3	10.0	0	1	14	15	1	0	0	0	0	0	0	
	52	09	78.4	75.4	28.7	86	1012.5	3.5	4.4	1	9	12	0	0	0	0	0	0	0	
<b>TOBAGO</b>																				
CROWN POINT APT	02	08	77.6	74.7	28.0	86	1012.5	5.6	4.3	2	8	13	0	0	0	0	0	0	0	
	08	16	82.1	77.2	29.6	79	1013.6	9.0	4.5	0	7	11	12	1	0	0	0	0	0	
	14	08	86.3	78.6	30.1	70	1012.2	12.5	4.3	0	10	7	14	0	0	0	0	0	0	
	20	08	79.0	76.9	28.5	84	1012.5	4.7	4.8	0	8	7	16	0	0	0	0	0	0	
LOUIS D'OR	40	08	81.9	76.7	28.9	77		0.8												
<b>BARBADOS</b>																				
HUSBANDS CMI	370	08	80.5	74.8	26.6	74	1014.6	14.1	5.8	0	2	8	19	2	0	0	0	0	0	
	16	16	81.9	74.9	25.5	68	1012.6	12.8	6.0	0	2	7	20	1	0	0	0	0	0	
	02	08	79.7	76.0	29.0	83	1012.9	12.2	5.6	0	3	9	16	3	0	0	0	0	0	
	183	08	81.1	76.3	28.6	79	1014.4	13.1	5.2	0	4	8	17	2	0	0	0	0	0	
SEAWELL APT	14	14	83.6	77.0	28.8	73	1013.0	13.5	5.2	0	5	8	15	3	0	0	0	0	0	
	20	20	80.5	76.1	28.7	80	1013.5	12.0	4.8	0	8	8	11	4	0	0	0	0	0	
<b>ST. LUCIA</b>																				
BEAUSJOUR ROSEAU WINBAR VICIE APT	75	08	82.3	79.4	32.9	87														
	09	08	83.0	76.9	29.0	75														
	08	14	81.4	75.9	28.1	76	1013.9	7.5	4.4	0	5	18	8	0	0	0	0	0	0	
	14	14	85.1	77.2	28.6	69	1012.7	11.9	5.3	0	1	13	16	1	0	0	0	0	0	
<b>DOMINICA</b>																				
MELVILLE HALL APT	09	09	81.7	76.3	28.4	76	1015.2	7.4	5.4	0	1	11	12	3	0	0	0	0	0	
	14	14	84.7	77.7	29.3	71	1013.6	9.9	5.0	0	3	15	11	2	0	0	0	0	0	









TABLE 11 SUMMARY OF DAILY OBSERVATIONS AUGUST 1972

COUNTRY STATION	RAINFALL (Inches)			NUMBER OF DAYS WITH. OR MORE THAN			AIR TEMPERATURE °F				MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH				
	TOTAL AMOUNT	MOST IN A DAY	DATE	≥0.4	.40	1.00	MEAN MIN	MEAN MAX	MEAN 1/3(A+B)	EXTREMES			THUNDER	FOG	HAIL	GALM	
										MAX							MIN
BR. VIRGIN ISLANDS																	
PARAQUITO BAY																	
JAMAICA	1.97	.45	24	12	1	0	86.8	77.3	82.1	89	72	229.2					
ALLSIDES	11.88	2.52	20	15	11	4	82.8	63.7	73.3	86	60	209.0					
BERNARD LODGE	1.25	.64	19	4	1	0	90.7	70.7	80.7	92	68	279.0					
BODLES	.88	.51	29	3	1	0	91.7	69.2	80.5	95	61	248.1					
CAENWOOD	1.12	.35	14	7	0	0						64.0					
CEDAR VALLEY	1.88	.68	12	5	2	0	85.0	60.5	72.8	90	50						
CINCHONA GARDENS	4.40	1.86	11	10	4	1	75.2	57.8	66.5	83	54						
DALLAS	1.22	.90	15	5	1	0	87.2	67.9	77.6	94	65						
DUCKENFIELD	3.53	.72	24	13	4	0	89.2	74.5	81.9	91	70	228.9					
EAST ALBION	1.03	.39	9	6	0	0	90.7	74.6	82.7	93	72						
FROME	18.79	3.75	24	17	12	6	90.2	70.8	80.5	93	69	213.6					
HALLS DELIGHT	1.78	.70	11	6	2	0	82.7	64.8	73.8	89	63						
HOPE GARDENS	4.55	1.32	14	8	3	2	90.2	64.0	77.1	92	62						
IRWIN	5.18	1.40	3	13	4	2	93.0	70.3	81.7	95	61						
KINGSTON	.88	.28	15	5	0	0	91.9	76.3	84.1	95	74						
MARSHALLS PEN	4.81	1.82	15	11	4	1	82.7	65.5	74.1	88	62	64.4					
MASON RIVER	0.17	1.91	22	13	8	2	83.4	64.6	74.0	86	61						
MONTIGO BAY APT	5.20	1.76	26	9	4	2	88.9	73.0	81.0	90	69	258.7	13	0	0	0	
MONYMUSK	.31	.17	27	3	0	0	91.3	69.3	80.3	93	64						
MORANT POINT LH	3.19	.70	24	8	4	0	86.9			88	60						
ORANGE RIVER	2.53	1.00	15	8	2	1	85.7	64.1	74.9	88	60						

TABLE 16. SUMMARY OF DAILY OBSERVATIONS AUGUST 1972

COUNTRY STATION	RAINFALL (inches)		NUMBER OF DAYS WITH, OR MORE THAN			AIR TEMPERATURE OF			MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO. OF DAYS WITH						
	TOTAL AMOUNT	MOST IN A DAY	DATE	-0.4	-0.1	1.00	MEAN MIN	MEAN MAX			MEAN (A+B) 2	EXTREMES MAX	MIN	THUNDER STORM	FOG	HALE	GALE
<b>JAMAICA</b>																	
PALISADOES APT	.35	.25	22	3	0	0	90.3	77.6	84.0	95	74						
SMITHFIELD	10.11	1.36	25	22	13	3	84.5	70.6	77.6	88	68						
<b>BELIZE</b>																	
BELIZE APT	10.00	2.05	1	16	6	4	84.6	75.9	80.3	87	73			8	1	1	0
<b>GUYANA</b>																	
EBINI	5.84	1.88	28	12	5	1	90.2	71.7	81.0	93	70			14	3	0	0
GEORGETOWN BG	5.00	1.03	29	13	4	2	86.2	75.4	80.8	88	72			1	0	0	0
HOSOROC	11.49	3.10	13	20	8	3	86.4	72.3	79.4	89	71						
KAIETEUR FALLS	6.87	1.69	8	17	4	2	87.0	70.0	78.5	86	68			5	5	0	0
KAMARANG	12.90	3.78	8	21	9	4	85.0	67.5	76.3	90	64			18	23	0	0
LETHEM	5.00	2.60	9	8	3	2	91.1	73.2	82.2	94	70			4	0	0	0
MABARUMA	11.17	1.86	13	23	5	3	86.5	72.3	79.4	90	69			9	5	0	0
MAHAICONY	5.10	2.28	28	10	3	2	86.6	75.6	81.1	88	72						
MATTHEWS RIDGE	5.66	.90	25	18	6	0	88.4	69.5	79.0	90	67						
MAZARUNI	9.99	1.75	23	19	7	3	89.0	70.4	79.7	89	70			13	20	0	0
MON REPOS	4.05	1.36	29	12	2	2	86.9	73.7	80.3	88	70						
NEW AMSTERDAM	3.81	1.32	29	6	3	2	87.7	74.3	81.0	89	73						
PORT KAITUMA	8.72	1.87	10	21	8	1	86.3	69.2	77.8	94	64			11	0	0	0
SKELDON FRONT	6.29	1.38	28	13	6	2	87.4			90							
ST. IGNATIUS	6.58	3.07	9	9	4	3	90.4	73.3	81.9	94	71						
TIMEHRI APT	4.82	1.41	23	14	3	1	88.4	71.9	80.2	91	70			8	2	0	0
TIMEHRI CHS	4.51	.94	15	13	3	0	88.4	70.4	79.4	91	68						
WAUNA	11.90	1.42	11	23	12	2	85.8	69.8	77.9	90	67			13	7	0	0

TABLE III-SUMMARY OF AGRONOMETEOROLOGICAL OBSERVATIONS AUGUST 1972

COUNTRY STATION	RUN OF WIND (n.miles)		EVAPORATION (inches)			SOIL TEMPERATURES OF						TOTAL RADIATION (langley's)				
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	At 2 inch depth		At 4 inch depth		MEAN MIN	MEAN MIN	EXTREME MAX	EXTREME MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
						MEAN	MAX	MEAN	MAX							
						MIN	DATE	MIN	DATE							
TRINIDAD																
CENTENO	64	97	6.11	.28	5									12540	629	177
PENAL	50	65	5.39	.28	22											
PIARCO APT	87	117	7.28	.40	2											
ST.AUGUSTINE UWI	59	81	5.12	.25	18											
TOBAGO																
CROWN POINT APT	63	94	8.10	.40	10											
LOUIS D'OR	20	32	6.35	.36	25											
BARBADOS																
HUSEANDS CMI	135	243	7.63	.36	12	88.8	73.1	95	17	69				13153	614	239
ST.LUCIA																
BEAUSEJOUR	221	295	7.15	.30	18									18083	698	405
ST.KITTS/NEVIS																
LA GUERITE	192	272									75.5	74.2	78	72		
BR.VIRGIN ISLANDS																
PARAQUITO BAY	136	199	8.89M	.37	3									12562	523	.85
JAMAICA																
ALLSIDES	117	268												10266	543	229
BERNARD LODGE			8.47	.35	20											
BODLES	53	79	7.85	.38	22									17741	675	345

TABLE III - SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS AUGUST 1972

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)		SOIL TEMPERATURES OF										TOTAL RADIATION (langbeys)		
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	DATE	At 2 inch depth			At 4 inch depth			TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY				
					MEAN		EXTREME	MEAN		EXTREME							
					MAX	MIN		MAX	MIN								
JAMAICA																	
CEDAR VALLEY	44	65	6.01	.27	7												
EAST ALFION	14	27	8.69M	.49	16												
FROME			4.92M	.29	21												
HALLS DELIGHT	33	89															
MONTEGO BAY APT	108	232	8.42M	.47	1												
ORANGE RIVER	28	46															
PALISADOES APT	115	176	9.12	.45	3												
SMITHFIELD	61	87				87.6	73.2	92	3	71	83.8	74.5	92	73	11388	662	264
GUYANA																	
EBINI	47	69	6.61	.30	15												
GEORGETOWN BG	58	79	6.07	.24	29												
KAIETEUR FALLS			5.75	.31	8												
KAMARANG	32	45															
MAHAICONY	130	250	8.15	.39	28												
ST. IGNATIUS	132	194	10.19	.45	21												
TIMERRI CHS	35	60															
WAUNA	9	22	4.97	.27	10	92.0	76.4	101	29	74	88.4	78.0	95	76	10990	478	254

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS AUGUST 1972

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.28	.36	.40	.44	.60	.60	.77	.83
PENAL	.24	.28	.32	.36	.36	.55	.63	.69
PIARCO APT	.22	.39	.43	.44	.57	.65	.72	.84
ST. AUGUSTINE UNI		.41	.43	.43	.43	.50	.73	.77
TOBAGO								
CROWN POINT APT	.13	.26	.30	.35	.35	.35	.38	.52
LOUIS D'OR	.24	.24	.43	.57	1.11	1.13	1.43	1.57
BARBADOS								
HUSBANDS CMI	.35	.56	.60	.90	1.06	1.20	1.27	1.27
SEAWELL APT			.36	.40	.40	.40	.40	.40
ST. LUCIA								
BEAUSEJOUR	.30	.30	.30	.58	.58	.68	.68	.68
BR. VIRGIN ISLANDS								
PARAQUITO BAY	.14	.19	.23	.34	.38	.38	.44	.45
JAMAICA								
MONTEGO BAY APT	.46	.80	.86	.86	.92	1.30	1.76	1.76
ORANGE RIVER	.44	.51	.71	.82	.82	1.00	1.00	1.00
PALISADOES APT		.18	.25	.25	.25	.25	.25	.25
SMITHFIELD	.34	.45	.58	.69	1.05	1.33	1.36	1.36
GUYANA								
ERINI	.40	.60	.76	1.38	1.88	1.88	1.88	1.88
GEORGETOWN BG	.48	.64	.72	.81	.90	.95	1.00	1.02
KAITFEUR FALLS	.38	.58	.68	1.06	1.28	1.32	1.32	1.64
KAMARANG	.32	.61	.81	1.21	1.58	1.87	2.47	3.74
MAHAICONY	.21	.39	.55	.64	.68	.72	1.38	2.06
NEW AMSTERDAM								
ST. IGNATIUS	.20	.36	.46	.56	.60	.69	.91	1.14
TIMEHRI APT	.36	.48	.56	.92	2.01	2.79	3.02	3.02
TIMEHRI APT	.25	.35	.42	.72	.94	1.10	1.38	1.41
TIMEHRI CHS	.21	.36	.44	.50	.60	.74	.91	.93
WAUNA	.40	.49	.51	.72	1.05	1.39	1.41	1.41

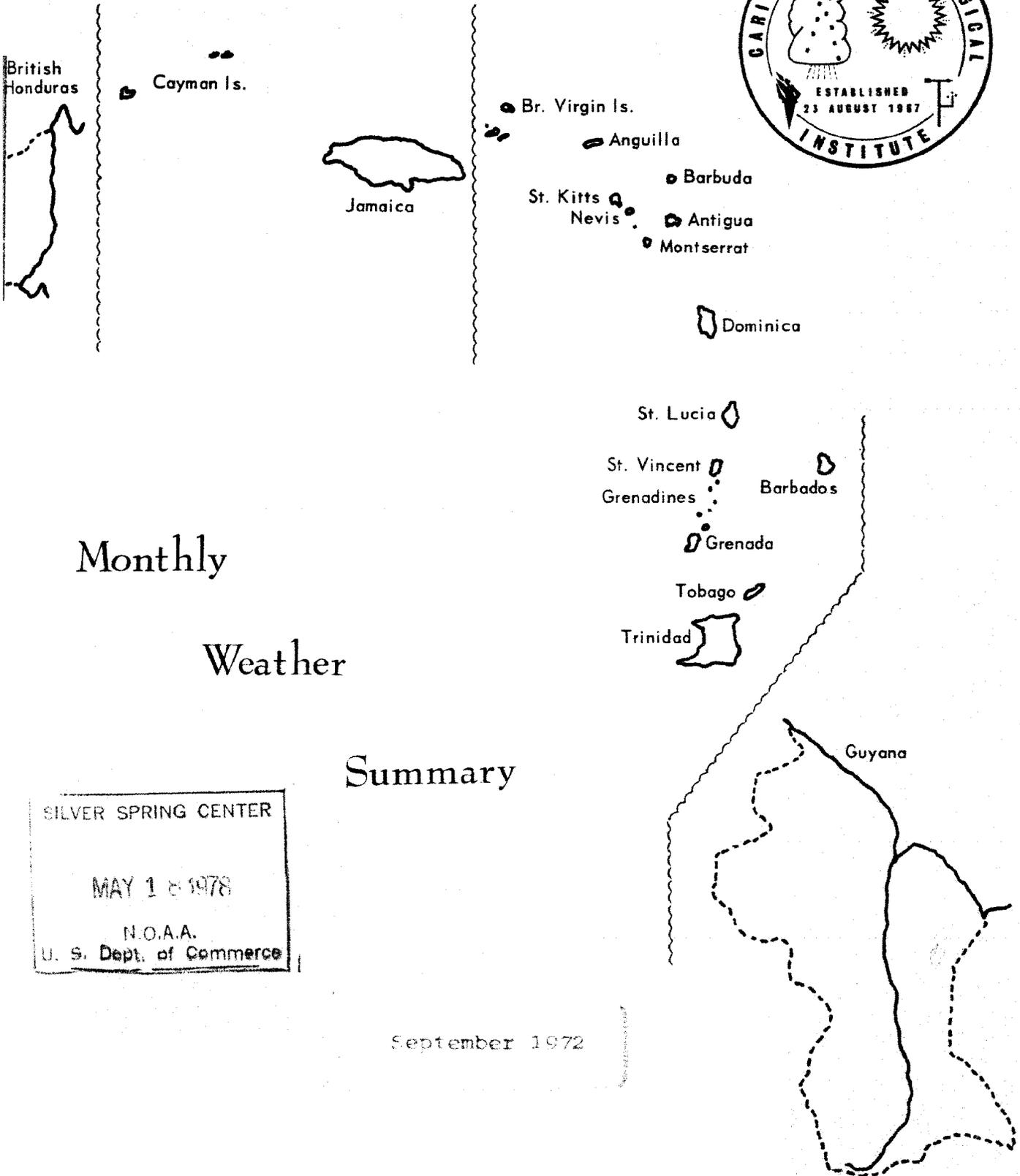
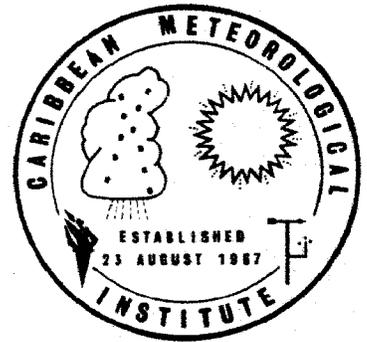
TABLE V - SUMMARY OF WINDSPEED RECORDS AUGUST 1972

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
TRINIDAD												
PENAL	10	14	14	17	11	24	1205	12	0	0	0	4.5
PIARCO APT	09	16	12	11	08	26	1105	11	0	0	0	4.4
TOBAGO												
CROWN POINT APT	10	17	13	15	11	27	1425	21	0	0	0	8.1
BARBADOS												
HUSBANDS CMI	09	22	10	8	11	44	2230	30	8	0	0	11.2
ANTIGUA												
COOLIDGE APT	05	25	09	10	09	37	0415	30	8	0	0	12.6
GUYANA												
EBINI	02	15	15	18	17	29	1815	12	0	0	0	4.0
GEORGETOWN BG	06	15	16	6	06	24	1525	2	0	0	0	6.5
GEORGETOWN ORR	04	23	16	6	04	30	1520	6	0	0	0	11.3
KAITEUR FALLS	05	6	19	23	06	15	1455	26	0	0	0	1.6
KAMARANG	06	14	17	26	06	28	1630	26	0	0	0	1.1
TIMEHRI APT												
WAUNA	06	13	14	17	04	25	1400	17	0	0	0	4.6
	11	12	12	7	06	25	1145	15	0	0	0	3.0

TABLE VI - SUMMARY OF SUNSHINE RECORDS AUGUST 1972

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)													TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					8-12.0 MORE THAN 12	
	8-8	8-7	7-8	8-8	8-8	9-8	10-11	11-12	12-13	13-14	14-15	15-16	16-17					17-18	18-19	0-1.0	1-2.0	3-6.0		6-12.0
																				1	2	3		4
TRINIDAD																								
CEWENO	0	11	60	68	73	75	66	65	65	65	60	55	25	0	214.8	55	11.2	5	0	5	7	7	12	0
PENAL	0	5	60	66	67	60	62	57	47	55	56	50	29	0	192.1	49	10.7	3	1	6	8	7	9	0
PIARCO APT	0	40	82	75	75	75	72	69	71	71	68	63	38	0	249.8	64	11.7	23	0	3	6	7	15	0
ST. AUGUSTINE UVI	0	36	78	80	81	76	69	70	70	70	58	56	34	0	243.2	62	11.7	23	0	2	7	10	12	0
TOBAGO																								
CROWN POINT APT	0	37	71	84	81	85	84	78	84	82	82	60	33	0	269.2	69	11.6	4	0	3	2	6	20	0
LOUIS D'OR.	0	6	58	76	85	85	80	84	79	75	72	50	12	0	237.5	61	10.5	4	1	2	2	14	12	0
GRENADA																								
MIRABEAU	0	20	55	58	70	58	58	66	68	68	59	39	10	0	196.5	50	11.1	23	0	5	9	10	7	0
BARBADOS																								
HUSBANDS CMI	0	41	69	73	73	77	73	75	73	69	61	55	26	0	237.4	57	11.6	14	1	4	2	8	14	0
SEAWELL APT	0	23	65	77	80	80	77	85	80	73	66	49	21	0	242.5	62	11.0	14	1	3	3	9	15	0
DOMINICA																								
MELVILLE HALL APT	0	51	75	71	76	81	77	80	79	76	60	45	15	0	245.6	62	11.5	2	0	3	5	6	13	0
ST. KITTS/NEVIS																								
LA GUERITE	1	25	60	73	84	90	74	76	76	66	70	65	30	0	246.5	62	11.8	14	0	3	2	12	12	0
BR. VIRGIN ISLANDS																								
PARAQUITO BAY	0	29	62	71	74	76	78	74	80	74	58	46	21	0	229.2	58	11.0	15	1	2	7	7	14	0
BELIZE																								
BELIZE APT	0	22	57	66	68	74	70	73	70	72	60	49	17	0	218.0	55	11.6	25	0	3	7	11	7	0
GUYANA																								
EBINI	0	6	46	60	71	72	76	74	70	55	55	39	14	0	199.9	52	10.9	22	0	3	11	13	4	0
GEORGETOWN BG	0	22	70	69	71	71	70	84	89	88	83	61	24	0	250.7	65	11.0	21	0	2	5	10	14	0
KAITEUR FALLS	0	2	16	43	67	70	75	80	74	82	76	61	31	0	211.4	55	10.0	25	0	1	7	21	2	0
KAMARANG	0	4	26	52	61	63	61	61	56	60	65	41	18	0	178.0	46	10.2	22	0	2	14	14	1	0
MAHAICONY	0	28	67	82	83	80	82	87	85	85	87	69	26	0	266.5	69	11.4	1	0	1	2	10	16	0
MAZARUNI	0	3	32	68	81	66	51	41	30	25	19	20	3	0	138.1	36	9.7	1	0	10	14	6	1	0
MON REPOS	0	25	65	70	67	65	76	83	88	88	75	55	21	0	242.8	63	11.6	5	0	2	7	11	11	0
SKELDON FRONT	0	48	81	82	82	81	80	72	71	74	73	60	23	0	258.1	67	11.7	1	0	1	5	12	13	0
ST. IGNATIUS	0	43	63	66	81	88	89	83	82	81	77	73	43	0	271.3	71	11.7	1	0	3	2	9	17	0
WAUNA	0	21	51	68	62	58	45	36	31	35	29	28	18	0	150.4	39	11.0	3	0	11	8	7	4	0

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2803



Monthly

Weather

Summary

SILVER SPRING CENTER  
MAY 18 1978  
N.O.A.A.  
U. S. Dept. of Commerce

September 1972

MONTHLY WEATHER SUMMARY

Prepared and published by the  
Caribbean Meteorological Institute  
Hushands, St. James, Barbados, W.I.

September 1972

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TABLE 1 SUMMARY OF OBSERVATIONS AT FIXED HOURS SEPTEMBER 1972

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY				MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (height)					VISIBILITY (No of Observations) yards				
			DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %			MEAN AMT	Number of Observations				0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	
										0	1, 2	3-5	6, 7					8
<b>TRINIDAD</b>																		
CENTENO	50	08	84.2	77.5	30.7	77												
PENAL	25	08	79.0	77.6	30.2	89												
PIARCO APT	41	02	75.4	74.1	28.1	94	1012.3	1.2	4	4	13	9	1	0	0	0	0	1
	08	08	80.0	76.7	29.8	85	1013.4	4.0	4	7	5	14	0	0	0	0	0	0
	14	14	86.4	77.4	28.0	65	1011.9	9.7	5	7	11	16	2	0	0	1	0	0
PIARCO APT ST.AUGUSTINE UWI	41	20	78.5	75.9	29.4	88	1012.4	2.0	5	2	10	16	1	0	0	0	0	1
	52	09	83.2	77.6	29.6	76		12.8										
<b>TOBAGO</b>																		
CROWN POINT APT	02	08	78.1	75.4	28.8	88	1012.3	4.3	4	6	12	11	1	0	0	0	0	0
	08	08	82.6	77.7	30.1	79	1013.5	7.6	5	0	8	15	1	0	0	0	0	0
	14	08	86.0	78.8	30.2	90	1011.7	10.0	4	9	9	15	0	0	0	0	0	1
	20	08	79.5	76.0	29.0	84	1012.5	5.1	5	1	3	14	12	1	0	0	0	0
LOUIS D'OR	40	08	82.2	77.2	29.6	79		0.7										
<b>GRENADA</b>																		
PEARLS APT	22	08	81.9	78.0	31.0	83	1013.0	6.7	4	9	11	11	1	0	0	0	0	0
	14	14	84.4	78.9	31.2	77	1011.4	8.2	4	8	13	9	2	0	0	0	0	0
<b>BARBADOS</b>																		
HUSBANDS CMI SEAWELL APT	370	08	80.9	75.4	27.6	77	1014.4	11.6	5	2	10	14	1	0	0	0	0	1
	183	02	79.5	75.6	28.4	83	1012.5	5.8	4	3	13	7	2	0	0	0	0	1
	08	08	81.8	76.5	28.9	78	1014.0	8.5	5	4	12	14	2	0	0	0	0	0
	14	14	84.7	77.6	29.0	71	1012.6	9.4	5	8	12	14	4	0	0	0	0	0
ST.LUCIA		20	81.0	76.0	28.8	80	1013.4	7.1	4	6	13	9	2	0	0	0	0	2
<b>ST. LUCIA</b>																		
BEAUSEJOUR ROBEAU WINDBAN VIGIE APT	75	08	82.8	78.3	31.3	82												
	09	08	84.0	77.4	29.2	77												
	14	08	82.2	76.8	29.0	77	1013.1	4.4	3	9	9	6	3	0	0	0	0	0
DOMINICA		14	85.9	77.7	28.9	68	1011.9	9.2	4	7	18	8	2	0	0	0	0	0
		08	81.5	76.5	29.0	79	1013.9	3.7	5	0	1	14	6	1	0	0	0	0
MELVILLE HALL APT	14	14	81.4	77.0	31.5	86	1012.7	8.6	5	1	17	7	2	0	0	0	0	3
		08	81.5	76.5	29.0	79	1013.9	3.7	5	0	1	14	6	1	0	0	0	0







TABLE 1. SUMMARY OF DAILY OBSERVATIONS SEPTEMBER 1972

COUNTRY STATION	RAINFALL (Inches)		NUMBER OF DAYS WITH, OR MORE THAN			AIR TEMPERATURE °F				MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH					
	TOTAL AMOUNT	MOST IN A DAY	DATE	.04	.40	1.00	MEAN MIN.	MEAN $\frac{1}{2}(A+B)$	EXTREMES MAX			EXTREMES MIN	THUNDER	FOG	HAIL	GALE	
				A	B												
TRINIDAD																	
CENTENO	5.35	1.29	15	16	3	1	86.2	72.4	80.3	93	69	188.1					
PENAL	6.18	1.77	15	12	5	2	88.3			92		188.8					
PIARCO APT	4.73	1.41	15	15	3	1	89.1	73.4	81.3	93	70	227.9	4	0	0	0	0
ST. AUGUSTINE UWI	5.06	1.14	27	13	4	1	88.7	71.4	80.1	91	69	226.3	2	0	0	0	0
TOBAGO																	
CROWN POINT APT	3.75	1.32	2	11	2	1	87.9	74.5	81.2	91	73	252.3	1	0	0	0	0
LOUIS D'OR	5.98	1.19	15	19	5	2	86.2	75.4	80.8	87	73	225.4					
GRENADE																	
PEARLS APT	2.96	.59	18	13	2	0	86.1	76.8	81.5	88	74						
BARBADOS																	
HUSBANDS CMI	3.94	1.81	2	11	2	1	85.9	73.9	79.9	89	71	213.4	3	0	0	0	0
SEAWELL APT	4.18	2.34	2	10	2	1	86.6	76.2	81.4	89	72	246.7					
ST. LUCIA																	
BEAUSEJOUR	3.68	.65	1	19	3	0	86.4	74.9	80.7	88	72	181.4					
ROSEAU WINBAN	7.65	1.66	1	21	4	3	87.3	71.8	79.6	89	69	240.8					
VIGIE APT	7.46	1.85	1	21	6	2	88.2	75.0	81.6	90	71						
DOMINICA																	
MELVILLE HALL APT	14.10	2.19	2	24	11	5	83.0	71.9	77.5	88	72	215.1					
ANTIGUA																	
COOLIDGE APT	2.96	1.34	2	10	3	1	86.3	77.3	81.8	89	72		2	0	0	0	0
DUNBARS	2.45	1.54	1	10	1	1	87.2	74.4	80.8	90	69						

TABLE II SUMMARY OF DAILY OBSERVATIONS SEPTEMBER 1972

COUNTRY STATION	RAINFALL (inches)			NUMBER OF DAYS WITH OR MORE THAN			AIR TEMPERATURE °F				TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	.04	.40	1.00	MEAN MAX	MEAN MIN	EXTREMES			THUNDER	FOG	HAIL	GALE
									A	B					
<b>ST. KITTS/NEVIS</b>															
CUNNINGHAM	4.00	1.55	28	10	2	2	89.0	75.3	82.1	90	71				
NEEDSMUST	2.87	.68	29	11	3	0									
WEST FARM	3.62	.84	1	13	3	0									
<b>BR. VIRGIN ISLANDS</b>															
PARAQUITO BAY	3.18	.75	29	15	2	0	87.9	77.2	82.6	90	73	249.0			
<b>JAMAICA</b>															
ALLSIDES	8.59	2.23	16	20	6	3	81.9	64.3	73.1	85	62	159.7			
BERNARD LODGE	.93	.21	3	7	0	0	93.3	70.0	81.6	95	67	184.0			
BODLES	3.78	1.80	18	9	3	1	90.4	70.2	80.3	93	68				
CAENWOOD	13.61	2.94	15	15	8	6									
CEDAR VALLEY	7.02	2.16	3	10	6	3	83.7	62.1	72.9	92	58				
CINCHONA GARDENS	6.25	1.37	15	12	5	3	71.2	58.4	64.8	80	57				
DALLAS	8.97	2.50	29	10	7	3	84.3	68.3	76.3	92	66				
DUCKENFIELD	10.84	6.30	3	17	4	2	87.9	73.8	80.8	90	69	66.3	178.2		
EAST ALBION	7.16	2.83	30	9	4	2	88.9	76.8	82.9	94	64				
EMPIRE NURSERY	6.05	1.63	16	10	5	2	86.5	77.5	82.0	91	72				
FRONE	13.39	1.87	15	23	11	5	91.0	70.6	80.8	94	68				
HALLS DELIGHT	4.18	1.14	15	9	4	1	80.8	64.8	72.8	84	60				
IRWIN	6.76	2.00	30	14	4	3	92.5	70.7	81.6	96	68				
KINGSTON	2.32	.86	27	6	3	0	91.2	75.0	83.1	94	72				
MARSHALLS PEN	10.16	1.57	19	19	8	5	81.4	64.8	73.1	86	62	64.0	14	0	0
MASON RIVER	6.92	1.47	25	16	6	2	83.1	65.0	74.1	86	61				
MORTEGO BAY APT	4.84	3.10	30	9	2	1	89.2	72.5	80.9	90	70	230.9	10	0	0
MORANT POINT LH	7.89	2.00	3	12	5	3	86.5			88			14	0	0
ORANGE RIVER	2.52	1.09	5	8	2	1	83.9	63.9	73.9	89	60				
PALISADES APT	2.23	.76	17	7	2	0	89.5	77.5	83.5	91	73	199.3	10	0	0

TABLE II SUMMARY OF DAILY OBSERVATIONS SEPTEMBER 1972

COUNTRY STATION	RAINFALL (inches)			NUMBER OF DAYS WITH, OR MORE THAN					AIR TEMPERATURE OF					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH		
	TOTAL AMOUNT	MOST IN A DAY	DATE	-04		-0.00		MEAN MIN	MEAN B	MEAN 1/2 (A+B)	EXTREMES		THUNDER			FOG	HAIL	GALE
				04	-00	MAX	MIN											
<b>JAMAICA</b>																		
SMITHFIELD	12.47	2.97	21	17	9	5	84.6	70.2	77.4	89	68	190.9						
WORTHY PARK	8.69	2.12	9	16	9	2	86.1	61.9	74.0	89	60	146.7						
<b>BELIZE</b>																		
BELIZE APT	6.86	1.14	9	18	6	1	87.3	74.6	81.0	89	71	201.8	8	2	0	0	0	
<b>GUYANA</b>																		
EBINI	1.48	1.03	11	6	1	1	93.1	72.3	82.7	97	69	266.2	4	14	0	0	0	
GEORGETOWN BG	2.90	1.43	1	8	2	1	87.1	76.0	81.6	90	70	73.1	235.7	1	0	0	0	
HOSORORO	10.48	1.61	22	22	9	3	87.7	72.4	80.0	91	70							
KAIETEUR FALLS	10.95	2.85	7	18	6	4	84.6	70.3	77.4	88	66	69.4	201.5	3	7	0	0	
KAMARANG	10.75	3.11	10	20	8	2	84.7	67.6	76.3	88	64	66.3	154.7	14	21	0	0	
LETHEM	2.85	.86	10	5	4	0	92.8	73.5	83.1	96	71							
MABARUMA	6.92	.77	17	22	8	0	88.4	72.8	80.6	92	70			11	0	0	0	
MAHAICONY	1.29	.80	1	5	1	0	87.3	75.6	81.4	90	71	256.8						
MATTHEWS RIDGE	8.79	.92	3	19	11	0	88.0	69.2	78.6	91	67							
MAZARUNI	4.09	.81	17	13	4	0	89.5	70.0	79.9	90	70	169.3	4	3	0	0	0	
MON REPOS	2.14	.73	1	12	1	0	87.5	73.2	80.3	89	71	235.7						
NEW AMSTERDAM	3.18	1.28	1	8	3	1	88.8	74.9	81.9	91	72							
PORT KAITUMA	5.85	1.61	17	15	4	2	86.8	70.7	78.8	94	67			9	0	0	0	
ST. IGNATIUS	2.56	.75	1	4	4	0	92.5	73.7	83.1	95	72	262.1						
SKELDON FRONT	1.95	.49	14	8	2	0	88.7	75.7	82.2	91	73	73.1	199.5					
TIMHRI APT	5.68	1.37	1	10	7	1	89.4	72.6	81.0	92	70			6	4	0	0	
TIMHRI CHS	5.83	1.44	1	11	7	1	90.1	71.3	80.7	99	70							
WAUNA	11.14	2.12	19	22	8	3	88.1	69.7	78.9	91	66	177.2	10	7	0	0	0	



TABLE III - SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS SEPTEMBER 1972

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)		SOIL TEMPERATURES °F										TOTAL RADIATION (langley's)				
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	DATE	At 2 inch depth					At 4 inch depth					TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY		
					MEAN		EXTREMES		MEAN		EXTREMES								
					MAX	MIN	MAX	DATE	MIN	MAX	MIN	MAX							
<b>JAMAICA</b>																			
BODLES	40	64	6.96M	.32	7												15538	653	340
CEDAR VALLEY	37	52	5.76M	.38	9														
EAST ALBION	78	251	6.99M	.40	14														
EMPIRE NURSERY	23	51	3.60M	.28	1														
FROME			4.67	.36	30														
HALLS DELIGHT	23	44																	
MORTEGO BAY APT	91	142	7.09	.39	19														
ORANGE RIVER	26	41	5.82M	.36	12														
PALISADOES APT	100	172																	
SMITHFIELD	43	139				87.8	73.1	94	14	71	83.7	74.5	88	73			14019	697	270
WORTHY PARK	29	53																	
<b>GUYANA</b>																			
EBINI	71	95	8.49	.33	10														
GEORGETOWN BC	63	81	6.49	.27	19														
KAITEUR FALLS			5.87	.28	29														
KAMARANG	30	51																	
MAHAICOMY	142	222	8.93	.36	23														
ST. IGNATIUS	136	182	10.91	.50	17														
TIMERRI CHS	54	75																	
WAUNA	7	21	4.61	.35	30	97.4	76.1	99	21	73	93.4	77.9	95	76					

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS SEPTEMBER 1972

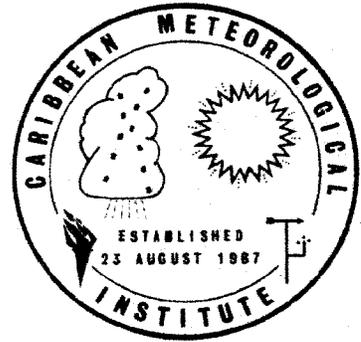
COUNTRY STATION	MAXIMUM AMOUNTS (Inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.24	.36	.50	.60	.69	.74	1.06	1.28
PENAL	.30	.40	.48	.68	.90	.94	1.57	1.77
PIARCO APT	.25	.39	.58	.94	.99	1.07	1.19	1.40
ST. AUGUSTINE UWI		.25	.40	.60	1.09	1.14	1.14	1.14
TOBAGO								
CROWN POINT APT	.20	.25	.29	.40	.69	.83	1.13	1.32
LOUIS D'OR	.29	.45	.56	.69	.77	.86	1.19	1.19
BARBADOS								
HUSBANDS CMI	.28	.42	.55	.64	1.18	1.20	1.51	1.60
SEAWELL APT		.53	.53	.56	1.03	1.59	1.60	1.60
BR. VIRGIN ISLANDS								
PARAQUITO BAY	.31	.39	.47	.59	.60	.63	.65	.65
JAMAICA								
MONTEGO BAY APT	1.42	1.85	2.50	2.81	2.90	3.06	3.10	3.10
SMITHFIELD	.42	.80	1.00	1.28	1.58	2.33	2.97	2.97
GUYANA								
EBINI	.26	.40	.76	.98	1.03	1.03	1.03	1.03
GEORGETOWN BG	.33	.43	.46	.60	.67	.67	.76	.76
KAITEUR FALLS	.48	.71	.80	1.16	1.38	1.94	2.36	2.79
KAMARANG	.34	.52	.54	.60	.64	.64	.82	1.15
LETHEM	.32	.54	.68	.78	.86	.86	.86	.86
MAHAICONY	.13	.17	.20	.33	.54	.54	.66	.75
NEW AMSTERDAM	.20	.30	.30	.30	.32	.32	.41	.64
ST. IGNATIUS	.16	.32	.40	.53	.55	.55	.70	.74
TIMEHRI APT	.33	.57	.59	.75	.84	1.12	1.36	1.37
TIMEHRI CHS	.25	.48	.52	.80	.84	.99	1.42	1.44
WAUNA	.66	.89	1.38	1.99	2.05	2.09	2.12	2.12

TABLE V - SUMMARY OF WINDSPEED RECORDS SEPTEMBER 1972

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOURE ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	83	
TRINIDAD												
PEMAL	15	16	10	2	15	27	0945	2	0	0	0	3.5
PIARCO APT	07	16	16	15	08	34	1505	15	1	0	0	4.9
TOBAGO												
CROWN POINT APT	15	16	23	2	16	33	1515	3	0	0	0	7.1
BARBADOS												
HUSBANDS CMI	11	22	11	7	09	34	1155	2	2	0	0	9.5
ANTIGUA												
COOLIDGE APT	09	17	23	11	11	26	1520	25	0	0	0	9.8
GUYANA												
EBINI	04	17	17	11	08	38	1635	11	1	0	0	5.5
GEORGETOWN BG	19	13	02	2	17	25	0935	1	0	0	0	6.8
GEORGETOWN ORR	06	20	20	1	07	20	0320	10	0	0	0	11.7
KAIETEUR FALLS	09	6	17	5	11	15	1645	23	0	0	0	1.4
KAMARANG	05	9	20	23	15	29	1420	7	0	0	0	1.0
TIMHRI APT	04	13	16	5	04	25	1515	18	0	0	0	3.2
WAUNA	10	12	13	5	09	27	1205	5	0	0	0	2.6



A  
OC  
987  
187  
C303



British Honduras

Cayman Is.



Jamaica

Br. Virgin Is.

Anguilla

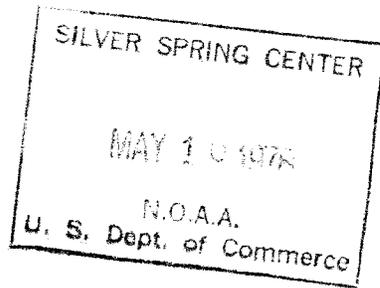
Barbuda

St. Kitts  
Nevis

Antigua

Montserrat

Dominica



Monthly

Weather

Summary

St. Lucia  
St. Vincent  
Grenadines  
Barbados  
Grenada  
Tobago  
Trinidad

Guyana

October 1978

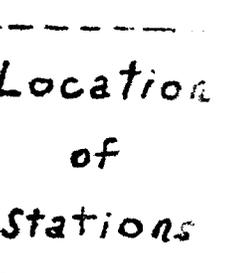
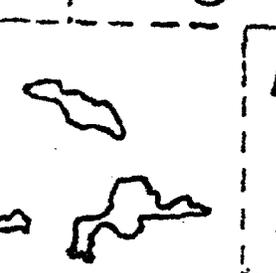
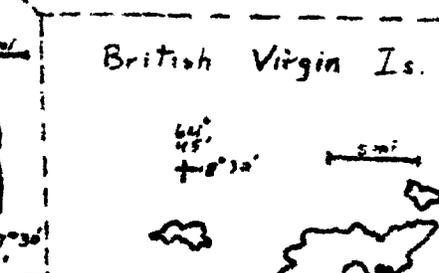
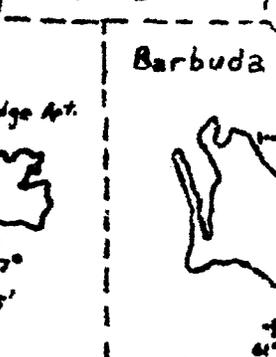
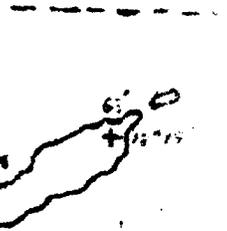
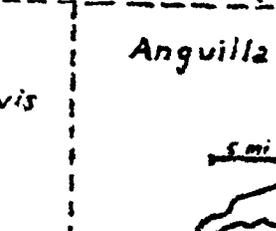
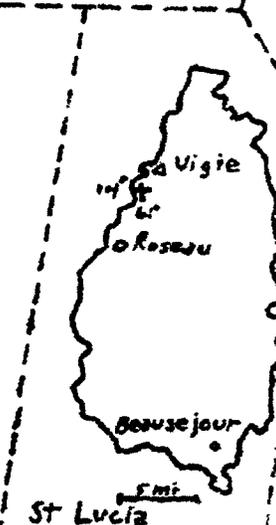
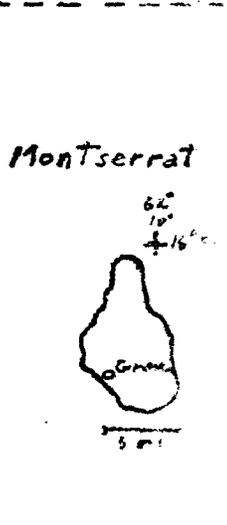
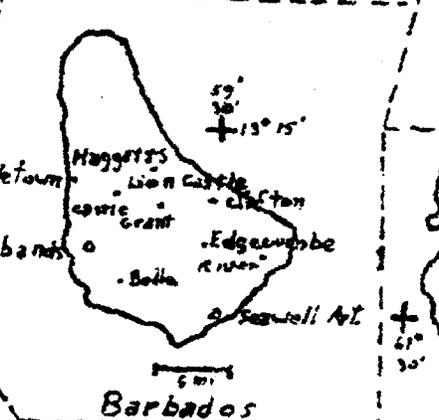
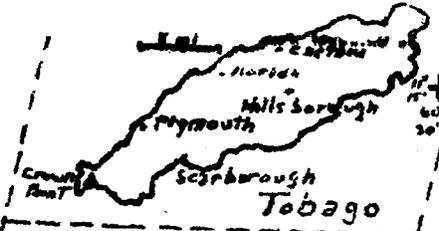
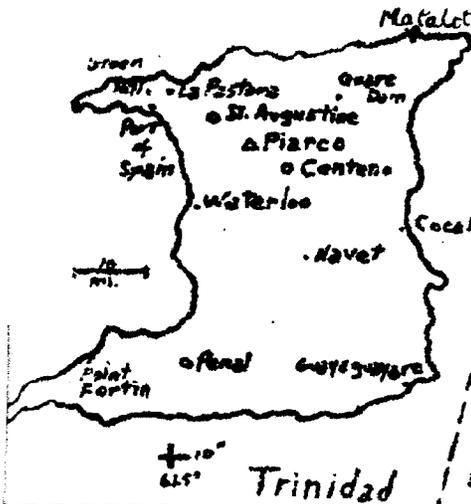
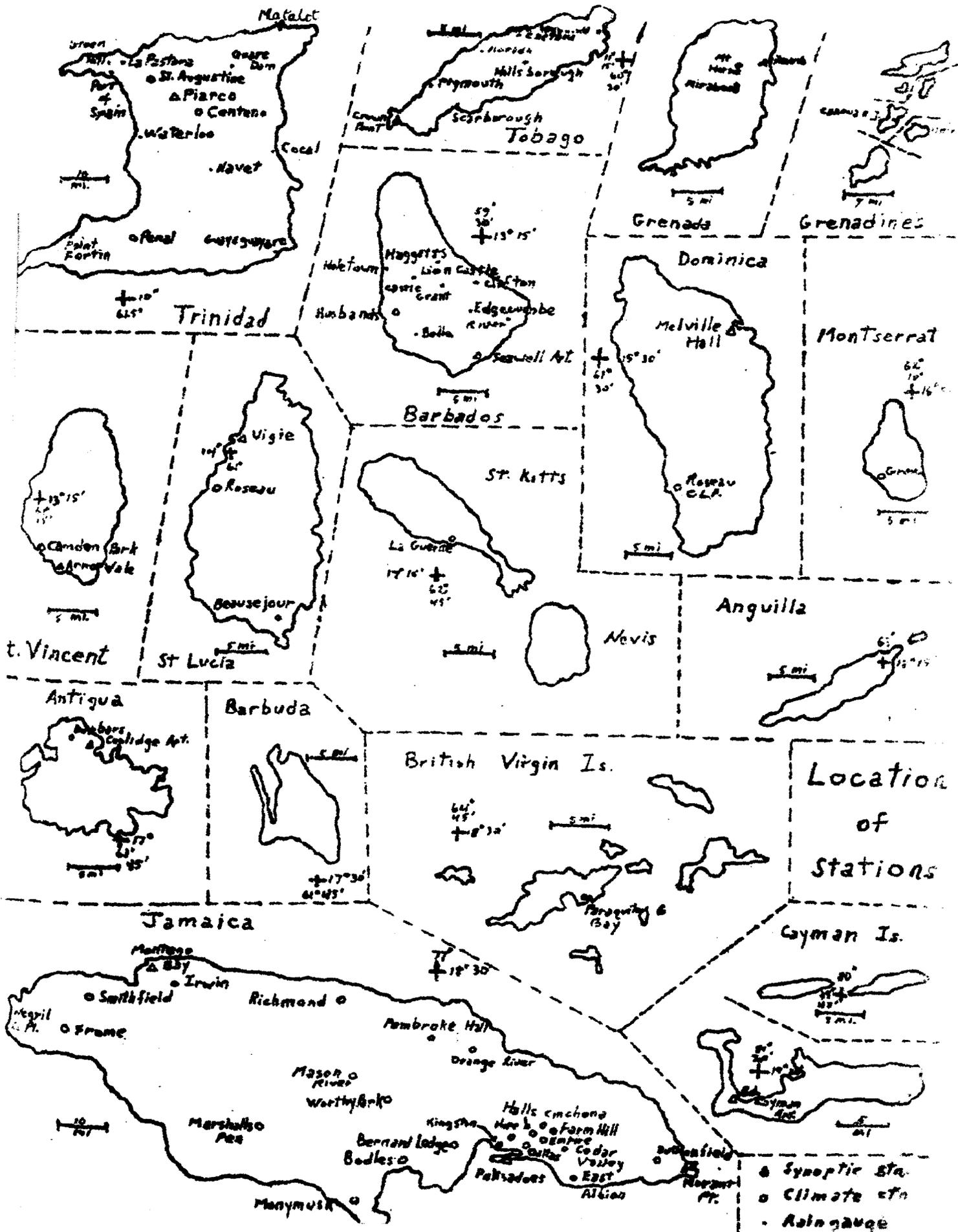
MONTHLY WEATHER SUMMARY

Prepared and published by the  
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October 1972

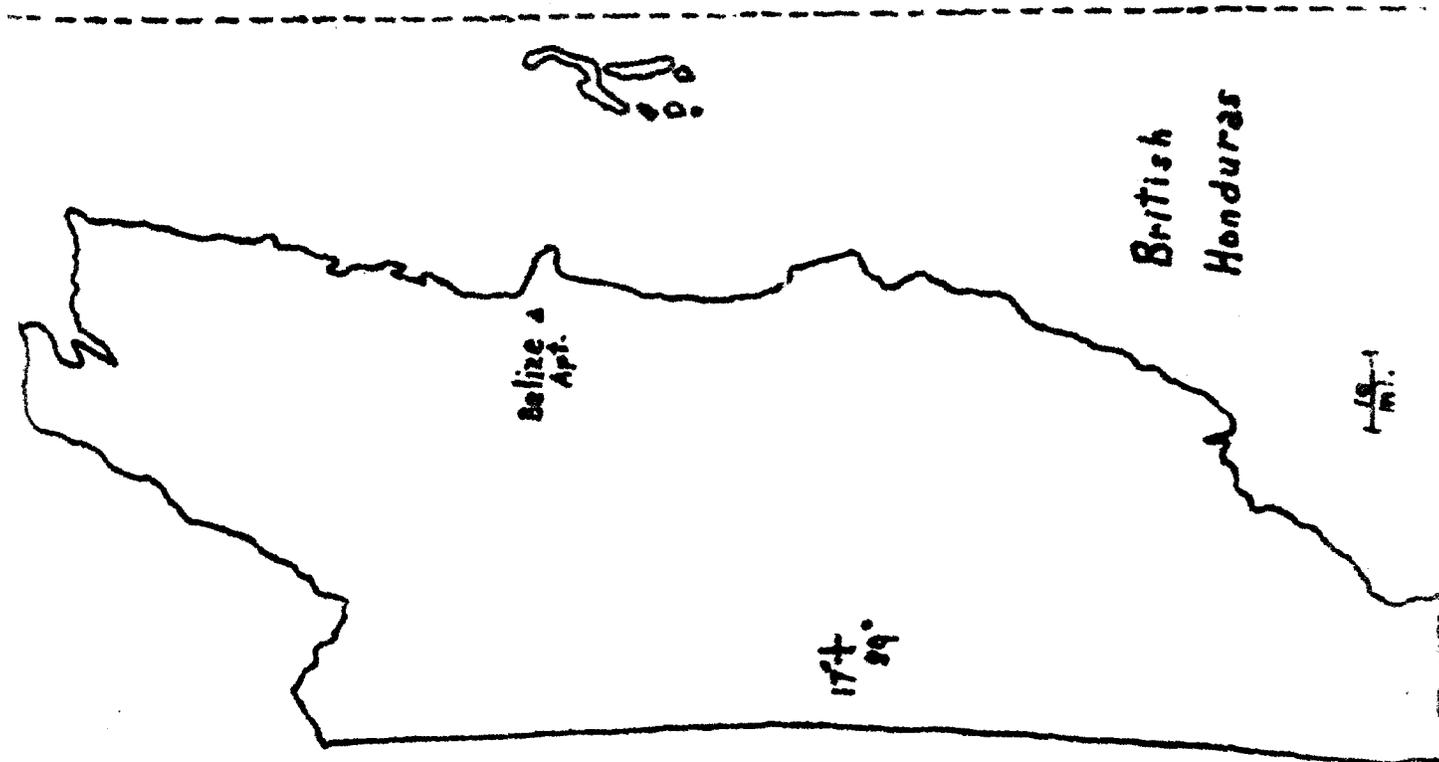
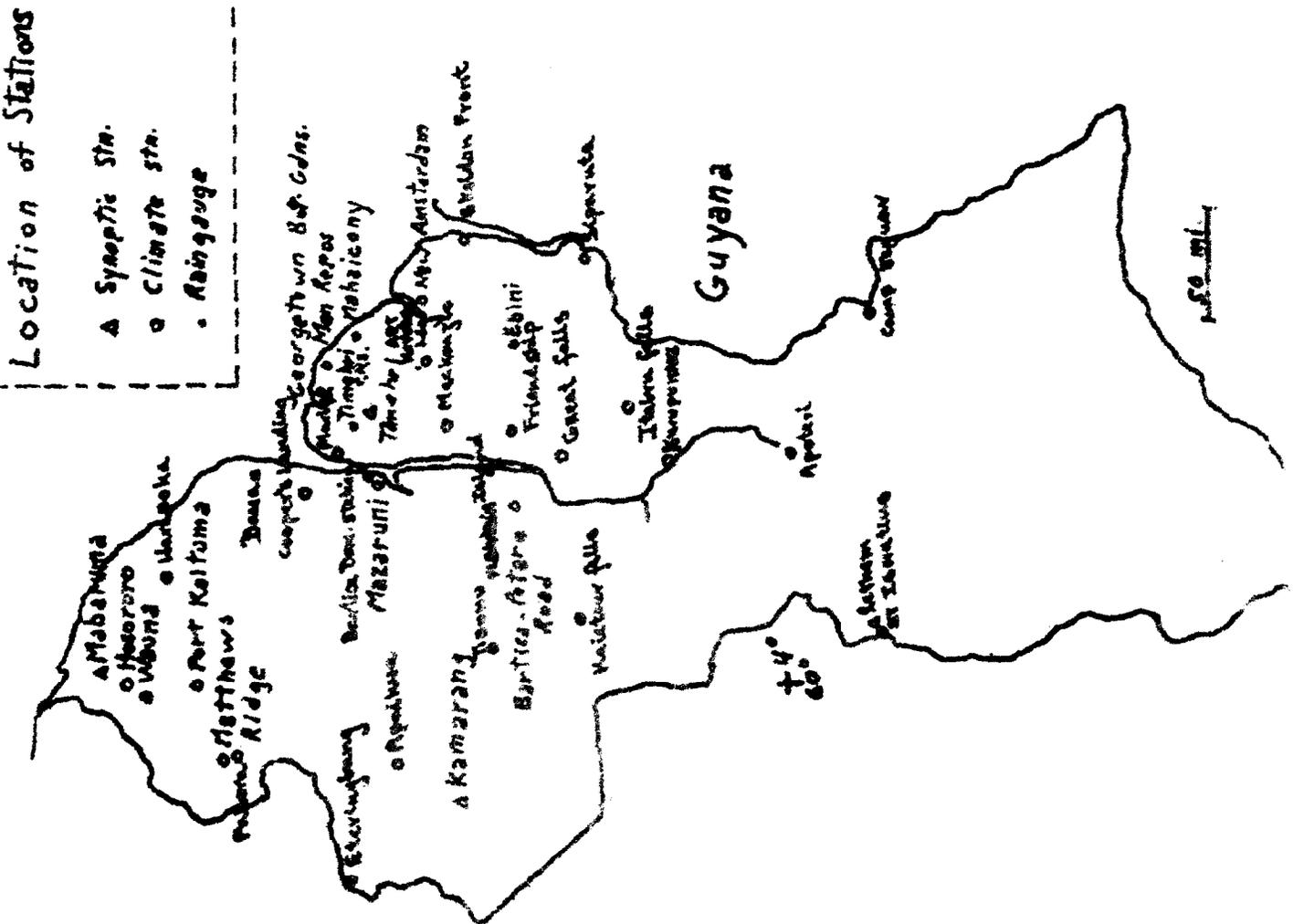
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7. Table V: Summary of wind speed records
8. Table VI: Summary of sunshine records



Location of Stations

- △ Synoptic Sta.
- Climate sta.
- Rain gauge



## NOTES ON THE OBSERVATIONS AND SUMMARIES

### GENERAL

1. The maps show the approximate location of the stations, including some that are in the process of being established and others from which returns are sometimes delayed. Thus in any particular month summaries for a station may not appear in the tables. It is expected that supplementary tables, incorporating previously missed observations, will be added from time to time. A complete station list is published in the January issue each year.

2. Thermometers are exposed in louvered wooden screens with their bulbs approximately 4 feet above the ground. Forced ventilation of the wet and dry bulb thermometers is not generally used.

3. At most stations the raingauge has its rim 1 foot above the ground but in Guyana this height is generally one metre. Most of the standard gauges are 5 inches in diameter; the recording gauges, usually of the tilting-syphon or natural-syphon types, are either 5 or 8 inches in diameter.

4. Local Standard Time (LST) in Belize is 6 hours behind Greenwich Mean Time (GMT); in Jamaica and the Cayman Islands, it is 5 hours behind, and in the rest of the countries, it is 4 hours behind. For some of the daily observations the unit of time is the calendar day; for others, it is the 24-hour period commencing at the time of the morning observation on that date and called the "Climate day".

5. In each summary table, stations are arranged in alphabetical order within countries. The countries are arranged in geographical order commencing with Trinidad, then moving northwards and westwards along the island chain through Jamaica and the Cayman Islands to Belize, and concluding with Guyana.

6. A blank space indicates that data are not available, or were considered unreliable.

### TABLE I

1. This table gives summaries of observations made at fixed hours, LST. At synoptic stations these are the main synoptic reporting hours (00, 06, 12, 18h GMT). At other stations they are the one or two hours at which observations are made each day.

## II

2. The mean dry bulb and wet bulb temperatures are the averages of the 30 or 31 (28 or 29 for February) daily values as measured at that time of day. The mean vapour pressure is similarly the average of the 30 or 31 computed daily values. On the other hand, the mean relative humidity is computed as the ratio of the mean vapour pressure to the saturation vapour pressure at the mean dry bulb temperature.

3. Barometric pressure is generally measured only at synoptic stations. The values given are the means of the 30 or 31 daily observations at that time, each reduced to mean sea level before being averaged.

4. The observation hour windspeed is generally read from an indicator, but at some stations it is taken from the anemograph chart. The average of the 30 or 31 daily values is given in this table. They must be considered as indicating only the mean speed during the month for a particular time of day, and a mean daily windspeed should not in general be calculated from them. This is particularly true of stations with only one or two hourly observation times, and at those where the four synoptic hour values indicate a significant diurnal effect.

5. Cloud cover is observed at synoptic stations and reported as the fraction of the sky (in eighths) that is occupied by cloud. The mean amount given here is the average of the 30 or 31 daily reports for that time of day. The number of days on which the sky was clear at that time of day (0 eighths), mostly clear (1, 2), partly cloudy (3-5), mostly cloudy (6, 7), or overcast (8) is given in the following columns. An entry in the column headed "9" would indicate an observation for which the sky was either partially or wholly obscured (as, for instance, by fog). It should be noted that the total number of observations in the six columns will be equal to the number of days in the month, unless an observation was missed.

6. Visibility is reported from the synoptic stations in terms of the number of miles (or yards) at which objects are clearly distinguishable. This is customarily "10 or more miles" unless some obscuring material (usually haze, smoke, fog or rain) is present in the air. Again, the total number of observations in these eight columns will be equal to the number of days in the month unless an observation was missed.

### TABLE II

1. This table gives summaries of the usual daily observations. All stations listed in Table I should also have entries here. In addition, stations observing only rainfall and/or temperature extremes, will be included in Table II but not in Table I.

2. The rainfall data from the standard raingauge at each station. The observation is taken in the morning usually at 12h GMT (i.e. at 6 to 8 A.M. LST) and is entered to the previous day. The "climate day" thus terminates at the time of the following morning's observation and not at midnight. The most rain in a day, the date on which it occurred,

/ct'd...

### III

and the number of days with amounts exceeding .04, .40 and 1 inch, all refer to the "climate day".

3. Maximum and minimum temperatures are read in the morning, with the maximum being entered to the previous day. As indicated, the mean daily temperature given in this table is the average of mean maximum and mean minimum temperatures. The highest maximum and lowest minimum observed during the month are also given.

4. The grass minimum temperature is found from a thermometer exposed to the atmosphere at a height of 2 inches above the ground. As it will cool through overnight radiation loss, generally lower temperatures than those from the screened thermometers will be observed. The mean of the 30 or 31 daily values is given in the table.

5. All stations for which monthly sunshine totals are given here will normally have entries in Table VI as well.

6. At synoptic and a few other stations, the observer is asked to note the occurrence of thunder, fog, hail or gale (i.e. a mean windspeed in excess of 34 knots). The total number of calendar days during the month with such occurrences is given here. It should be emphasized that unless the station is manned continuously, these events, particularly thunder, are likely to be under-counted.

#### TABLE III

1. This table gives summaries of additional daily observations of importance primarily to agriculture.

2. The wind mileage data are from totalizing cup anemometers set 6 feet above the ground. The counters are read at the morning observation hour and hence both the "daily mean" and "most in a day" figures refer to the climate day rather than the calendar day. It should be noted that, as the mean hourly windspeeds calculated from these values would refer to a 6 foot height, they will be significantly lower than those means that may appear for the same stations in Table V,

3. Evaporation is usually measured using a Class A pan, a metal container, 4 feet in diameter and 10 inches deep, which is exposed on a wooden platform just above the ground. The water depth in the pan is maintained at between 7 and 8 inches, with changes in the level being measured at each morning's observation. The total water loss for the month is given in the table together with the maximum daily loss during the month and the date on which it occurred. Both these last entries refer to the climate day. Daily readings are sometimes missed when the pan is cleaned or repaired. If more than four readings in a month are missing, no total is shown, if three or four readings are missing, the total is adjusted and printed with the letter 'M' next to it, if one or two readings are missing, the adjusted total is printed but without an 'M'.

IV

4. Soil temperature extremes are read in the morning; the maxima being entered to the previous day. The mean maximum, mean minimum and extremes are given for the two depths that are most frequently instrumented at the various stations.

5. Radiation measurements are mostly from Gunn-Bellani pyranometers that are read in the morning and are entered to the previous day. While the most and least in a day will refer to the climate day, there will be little difference for solar radiation between climate and calendar days as the morning observation is generally taken shortly after sunrise.

TABLE IV

1. This table gives maximum rainfall amounts during specified periods of time, as determined from the charts of recording raingauges.

2. It is important to note that, presently, the measurement of maximum amounts at some stations is confined to single 24-hour periods (the climate, or rainfall day) while at others two daily charts may be combined when necessary for the determination of maximum amounts. These two procedures are likely to produce divergent results only for the 6 and 12 hourly periods, with the former method tending to under-record these maximum amounts.

TABLE V

1. This table gives mean windspeeds and details of the highest winds recorded at stations possessing anemographs. These figures normally relate to heights of between 30 and 60 feet above the ground.

2. For each hour during the month a mean windspeed to the nearest knot is read off the chart. The prevailing wind direction to the nearest 10° is also given. The highest speed for any clock hour is given in this table, together with the corresponding direction and time and date of occurrence.

3. The direction, speed and occurrence time of the highest gust during the month is also given. While response characteristics of the different anemographs in use varies, this will generally represent the speed over a 2-5 second averaging time.

4. The number of hours during the month in which one or more gusts occur that exceed 33, 47 and 63 knots (i.e. Beaufort force 7, 9 and 11 respectively), are given in the next three columns. These values correspond to 38, 55 and 72 miles per hour.

5. The average of all the hourly anemograph values during the month is given in the last column. At stations where the diurnal effect is relatively small, this figure and the average of the four windspeed entries for synoptic stations in Table I should be reasonably close.

/ct'd...

TABLE VI

1. This table gives summaries of the hourly and daily amounts of sunshine, measured by Campbell-Stokes sunshine recorders. The time scale produced by the recorder and used here is centred on solar noon and is referred to as local apparent time (LAT). Except for the Cayman Islands, local apparent time does not differ from the local standard time by more than  $\pm 10$  minutes on average.
2. During each hour the amount of direct sunshine is measured in tenths of an hour. The mean duration figures given here are the averages of the 30 or 31 daily values for that hour; as they are in hundredths, they can also be considered as giving directly the percentage of time that the sun shone for each hour during the day.
3. The total duration in hours will be equal to the sum of the previous columns times the number of days in the month. It is also expressed as a percentage of the maximum amount possible, based on the stations' latitude and the season.
4. The most sunshine in any day and the date of occurrence are given; where two or more days are tied for maximum, only the earlier date is listed.
5. The number of days with sunshine amounts in different ranges is given in the last part of the table. The sum of the entries here should equal the number of days in the month. Where they do not, it indicates that one or more values have been missed; provided that fewer than 6 days are missing, the monthly total duration will have been adjusted to represent the whole month.

TABLE 1 SUMMARY OF OBSERVATIONS AT FIXED HOURS OCTOBER 1972

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY				MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths)								VISIBILITY yards					VISIBILITY miles																	
			DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %			MEAN AMT	0	1	2	3-5	6,7	8	9	0-40	40-100	100-200	200-1000	1-2	3-4	5-10	10 or more															
																									Number of Observations					yards					miles				
<b>TRINIDAD</b>																																							
CENTENO	50	08	81.7	78.1	31.2	85																																	
PENAL	25	08	79.3	77.0	30.7	90	1.9																																
PIARCO APT	41	02	75.9	74.6	28.6	94	1.6	4.3	0	7	14	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	22										
		08	80.4	76.9	30.0	85	3.8	5.0	0	5	9	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	19										
		14	85.5	77.6	28.7	69	8.8	6.1	0	0	8	22	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	23										
PIARCO APT	41	20	78.4	76.0	29.5	89	2.3	4.4	1	5	12	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	26										
ST. AUGUSTINE UMI	52	09	83.8	78.2	30.5	77	11.6																																
<b>TOBAGO</b>																																							
CROWN POINT APT		02	78.8	75.6	28.8	86	6.4	4.5	0	8	11	10	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	29									
		08	83.2	78.0	30.4	78	7.9	5.1	0	4	10	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	29										
		14	86.2	79.0	30.8	72	10.1	5.2	0	4	11	15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31									
		20	80.2	76.6	29.7	84	7.0	4.7	0	8	12	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	28										
LOUIS D'OR	40	08	83.0	77.3	29.6	77	0.8																																
<b>GREINADA</b>																																							
PEARLS APT	22	08	83.0	78.1	30.5	79	7.8	4.8	0	1	18	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	8										
		14	84.9	78.6	30.5	71	11.6	4.2	0	6	16	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	24										
<b>BARBADOS</b>																																							
HUSBANDS CMI	370	08	82.4	76.7	28.7	76	12.2	4.7	0	2	18	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	27										
SEANELL APT	183	02	80.6	76.2	28.8	81	8.2	3.8	1	8	16	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31										
		08	83.5	77.1	28.9	74	10.3	4.0	0	2	17	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31										
		14	85.4	77.5	29.5	69	10.9	4.8	0	4	14	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31										
		20	81.7	76.4	28.6	78	7.8	4.2	0	6	18	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31										
<b>ST. LUCIA</b>																																							
BEAUSEJOUR	75	08	83.1	79.1	32.3	83																																	
ROSEAU WINBAN		09	85.0	77.8	29.6	72	5.5	4.3	0	9	12	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31										
VIGIE APT		08	82.4	77.1	29.5	78	8.4	4.3	0	6	16	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	30										
		14	87.0	77.8	28.3	65	8.4																																
<b>DOMINICA</b>																																							
MELVILLE HALL APT		08	80.9	76.6	29.3	81	6.8	5.0	0	3	11	10	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	16										
		14	84.0	77.7	29.6	74	10.1	4.8	0	3	12	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	18									









TABLE II SUMMARY OF DAILY OBSERVATIONS OCTOBER 1972

COUNTRY STATION	RAINFALL (inches)		NUMBER OF DAYS WITH, OR MORE THAN			AIR TEMPERATURE °F				TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH					
	TOTAL AMOUNT	MOST IN A DAY	DATE	-0.4	-0.0	1.00	MEAN MIN	MEAN 1/2 (A+B)	MEAN MAX		EXTREMES MAX	EXTREMES MIN	THUNDER	FOG	HALE	GALE
BR. VIRGIN ISLANDS																
PARAQUITO BAY	5.11	1.19	25	14	5	1	86.2	75.5	80.9	89	71	238.1				
JAMAICA																
BERNARD LODGE	7.47	4.05	1	9	5	1	89.0	71.3	80.2	91	66	222.0				
BODLES	4.84	2.74	1	8	3	1	88.4	70.5	79.5	91	66	243.5				
CASHWOOD	8.58	1.14	1	20	7	2										
CEDAR VALLEY	16.61	8.45	1	12	6	5	83.2	61.2	72.2	86	50					
CIRCHONA GARDENS	11.61	3.30	1	16	8	5	72.1	57.7	64.9	77	56					
DALLAS	4.77	1.30	7	10	6	1	83.3	68.3	75.8	88	65					
DUCKENFIELD	8.55	4.18	15	16	3	2	88.0	73.1	80.6	91	69	224.8				
EAST ALBION	7.07	4.65	1	9	3	1	88.0	75.4	81.7	91	71					
EFFIRE NURSERY	6.80	4.22	1	8	4	2	83.4	77.5	80.5	86	74					
FARM KILL	9.37	4.00	1	19	3	2	75.9	56.5	66.2	79	51					
FROME	5.44	1.40	9	13	4	2	89.8	70.2	80.0	92	67	218.6				
HALLS DELIGHT	6.28	2.75	1	13	4	1	78.9	64.7	71.8	81	62					
IRWIN	8.24	1.80	1	14	5	2	90.2	70.7	80.5	93	67					
KINGSTON	9.49	2.35	17	9	4	4	89.0	74.5	81.8	91	72					
MARSHALLS PEN	13.35	2.25	5	17	8	5	81.3	65.0	73.2	84	60	64.3				
MASON RIVER	12.38	2.86	6	17	10	5	81.4	64.1	72.8	86	56					
MONTICO BAY APT	2.92	1.58	10	8	2	1	87.8	73.0	80.4	90	70	237.1	8	0	0	0
MONTMUSK	8.20	5.52	2	11	3	1	90.8	68.6	79.7	94	64					
MORANT POINT LH	7.60	2.55	15	7	6	3	86.3	77.3	81.8	90	71					
ORANGE RIVER	6.40	1.53	6	13	4	2	85.2	64.8	75.0	88	62	191.3				

TABLE II SUMMARY OF DAILY OBSERVATIONS OCTOBER 1972

COUNTRY STATION	RAINFALL (Inches)				AIR TEMPERATURE °F				MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH					
	TOTAL AMOUNT	MOST IN A DAY	NUMBER OF DAYS WITH. OR MORE THAN			MEAN MIN	MEAN 1/2 (A+B)	EXTREMES			THUNDER	FOG	HAIL	GALE		
			DATE	.04	.40			1.00							MAX	MIN
				A	B											
<b>JAMAICA</b>																
PALISADOES APT	8.39	2.65	7	6	4	3	89.3	76.6	83.0	92	72	8	0	0	0	
SMITHFIELD	12.25	2.97	10	19	8	3	83.9	71.4	77.7	87	68					
WORTHY PARK	9.37	2.32	1	11	4	4	85.4	62.5	74.0	87	60					
<b>BELIZE</b>																
BELIZE APT	8.96	2.23	19	16	7	3	86.7	73.4	80.1	91	70	5	2	0	0	
<b>GUYANA</b>																
EBINI	4.80	1.33	25	11	3	1	94.5	71.8	83.2	98	68					
GEORGETOWN BG	5.65	2.15	30	8	4	2	88.2	77.4	82.8	91	73	5	0	0	0	
HOSORORO	7.09	1.92	30	18	8	1	88.5	73.2	80.9	92	70	1	0	0	0	
KAITIUR FALLS	2.09	.68	30	6	3	0	87.4	70.9	79.1	90	68	2	0	0	0	
KAMARANG	1.52	.61	30	6	1	0	87.9	68.5	78.1	91	66	13	11	0	0	
LETHEM	.59	.33	29	4	0	0	94.7	74.2	84.5	98	71	6	0	0	0	
MABARUMA	7.28	2.03	30	23	7	2	89.2	72.7	81.0	92	71	14	3	0	0	
MAHAICONY	2.00	.82	28	8	1	0	87.6	76.3	82.0	92	72					
MATTHEWS RIDGE	11.15	1.64	30	18	11	3	88.2	69.4	78.8	89	67	5	1	0	0	
MAZARUNI	4.77	1.68	31	11	4	1										
MON REPOS	3.91	2.07	30	9	2	1	88.9	74.0	81.5	92	73					
NEW AMSTERDAM	.22	.10	30	3	0	0	90.1	75.0	82.6	92	74					
PORT KAITUMA	5.36	1.16	27	14	7	1	88.1	70.9	79.5	94	69	7	0	0	0	
ST IGNATIUS	.80	.37	29	6	0	0	94.2	76.0	85.1	97	72					
TIMHRI APT	3.41	1.35	30	8	2	1	90.5	72.9	81.7	95	71	8	6	0	0	
TIMHRI CHS	4.75	2.26	18	10	2	2	90.7	71.2	81.0	95	70					
WAUNA	7.57	1.89	30	19	7	1	89.0	70.4	79.7	92	69	18	5	0	0	



TABLE III - SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS OCTOBER 1972

COUNTRY	STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)		SOIL TEMPERATURES OF								TOTAL RADIATION (lang/bys)			
		DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	At 2 inch depth		At 4 inch depth		MEAN MIN	EXTREME MAX	MEAN MIN	EXTREME MAX	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
							MEAN	MAX	MEAN	MAX							
JAMAICA																	
	EAST ALBION	17	61	6.92M	.41	22											
	EMPIRE NURSERY	15	38	3.43M	.25	8											
	FROME			4.74	.23	26											
	HALLS DELIGHT	20	40														
	MONTEGO BAY APT	93	159	5.71M	.32	8											
	ORANGE RIVER	29	77											14341	674	263	
	PALISADOES APT	74	155														
	SMITHFIELD	45	76				85.4	73.2	96	22	71	82.0	74.4	85	73		
	WORTHY PARK	36	88	4.50	.17	27											
GUYANA																	
	EBINI	61	95	8.72	.48	17											
	GEORGETOWN RG	63	107	6.11	.28	12											
	KALETEUR FALLS			6.81	.34	17											
	KAWARANG	37	47														
	MAHAICOONY	153	273	9.31	.43	22											
	ST. IGNATIUS	136	208	12.03	.50	20											
	TIMEHRI CHS	56	87														
	WAUNA	9	19	4.98	.27	8	94.6	77.2	100	16	75	89.6	78.9	93	77		
														11137	456	151	

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS OCTOBER 1972

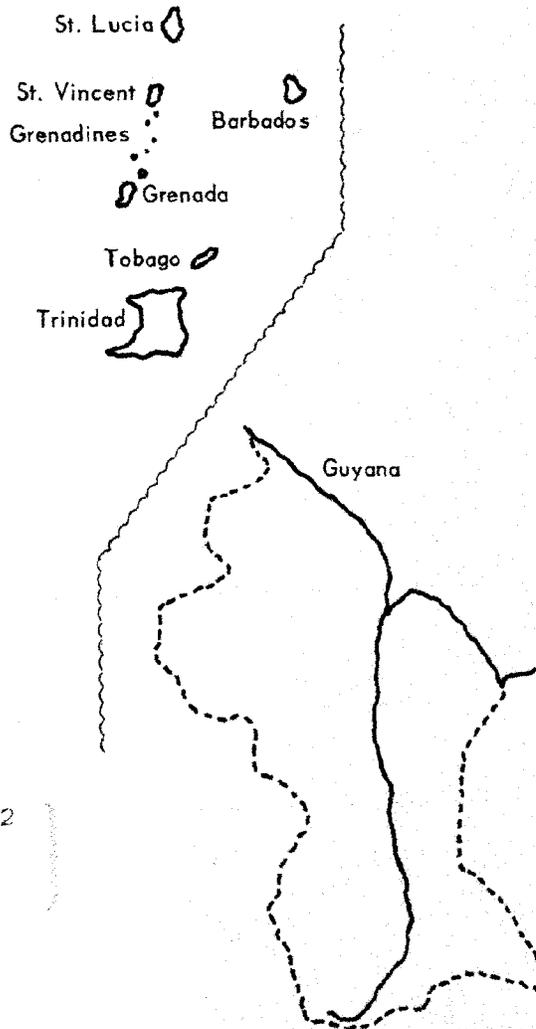
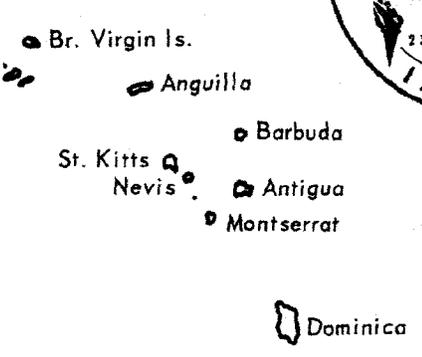
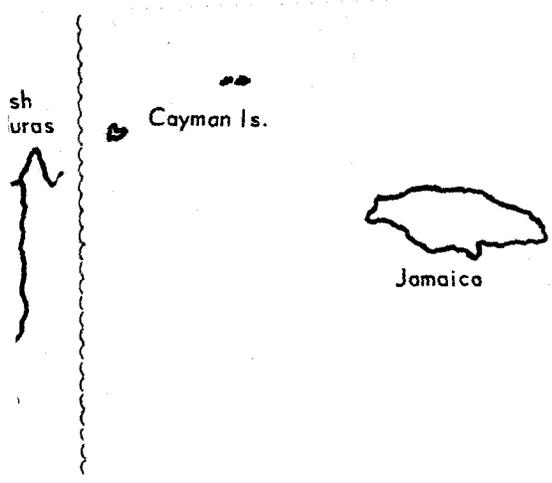
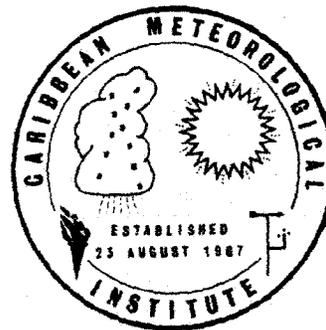
COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.27	.32	.48	.53	.53	.73	.79	.80
PENAL	.32	.35	.41	.49	.49	.71	.71	.71
PIARCO APT	.20	.34	.40	.44	.63	.68	.68	.93
ST. AUGUSTINE UMI			.74	.74	.62	.97	1.06	1.27
TOBAGO								
CROWN POINT APT	.20	.40	.55	.76	1.38	1.63	1.83	2.57
LOUIS D'OR	.36	.52	.80	1.03	1.34	1.91	2.67	4.40
BARBADOS								
HUSBANDS CMI	.22	.33	.34	.36	.38	.43	.65	.65
BR. VIRGIN ISLANDS								
PARAQUITO BAY	.34	.41	.43	.54	.55	.65	.65	.65
JAMAICA								
MONTEGO BAY APT	.29	.44	.56	.79	1.28	1.30	1.44	1.44
SMITHFIELD	.38	.68	1.00	1.51	2.62	2.86	2.96	2.97
GUYANA								
EBINI	.26	.44	.66	.92	1.04	1.30	1.33	1.33
GEORGETOWN BG	.29	.53	.67	.85	.93	1.16	2.04	2.04
KAIETEUR FALLS	.26	.34	.38	.39	.44	.52	.63	.63
KAMARANG	.24	.40	.52	.61	.61	.61	.61	.61
LETHEM	.06	.08	.11	.12	.15	.24	.33	.33
MAHALOONY	.10	.17	.25	.42	.61	.73	.79	.79
NEW AMSTERDAM	.06	.08	.08	.08	.08	.08	.09	.10
ST. IGNATIUS	.08	.12	.16	.19	.21	.28	.37	.37
TIMEHRI APT	.27	.53	.69	.94	.97	.97	1.05	1.07
TIMEHRI CHS	.34	.67	.84	1.45	1.97	2.26	2.26	2.26
WAUNA	.31	.55	.62	.76	.82	.82	.82	.82

TABLE V - SUMMARY OF WINDSPEED RECORDS OCTOBER 1972

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
TRINIDAD												
CENTENO	09 14	14	14	14	08	21	0300	11	0	0	0	3.9
PENAL	14 15	11	24	15	25	1150	23	0	0	0	0	3.5
PIARCO APT	07 14	15	26	08	32	0940	2	0	0	0	0	5.0
TOBAGO												
CROWN POINT APT	14 16	12	23	10	24	0550	11	0	0	0	0	7.8
BARBADOS												
HUSBANDS CMI	09 19	12	2	09	32	1355	30	0	0	0	0	9.7
ANTIGUA												
COOLIDGE APT	13 18	22	9	23	30	1300	23	0	0	0	0	8.8
GUYANA												
EBINI	03 15	17	8	02	40	1510	17	1	0	0	0	5.0
GEORGETOWN BG	11 15	09	23	08	24	1045	22	0	0	0	0	6.2
GEORGETOWN ORR	07 19	13	7	11	30	1200	28	0	0	0	0	11.2
KATEUR FALLS	05 5	18	17	05	16	1740	17	0	0	0	0	1.2
KAMARANG	05 12	17	25	05	17	1630	25	0	0	0	0	1.5
TJMEHRI APT	05 14	15	13	08	26	1200	22	0	0	0	0	5.0
MAUNA	06 13	13	29	10	29	0930	28	0	0	0	0	2.6



92  
927  
0303



Monthly

Weather

Summary

SILVER SPRING CENTER  
MAY 31 1978  
N.O.A.A.  
U. S. Dept. of Commerce

November 1972

MONTHLY WEATHER SUMMARY

Prepared and published by the  
Caribbean Meteorological Institute  
Husbands, St. James, Barbados, W.I.

December November 1972

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TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS NOVEMBER 1972

COUNTRY STATION	HEIGHT ABOVE MSL	HOUR LST	MEAN TEMPERATURE AND HUMIDITY			MEAN PRESSURE REDUCED TO MSL	MEAN WIND SPEED	TOTAL CLOUD AMOUNT (Height)					VISIBILITY (No. of Observations)					
			DRY SULS	WET SULS	VAPOUR PRESS			REL HUM	Number of Observations					yards				
									0	1, 2	3-5	6, 7	8	9	0	1	2	3
<b>TRINIDAD</b>																		
CENTRO	50	08	79.0	76.6	30.2	89												
PREAL	25	08	77.1	75.3	29.1	92	1.8											
PIARCO APT	41	02	74.2	73.1	27.3	94	1011.3	0.3	1	11	12	3	1	0	0	0		
		08	78.3	75.5	28.8	87	1012.8	4.0	0	8	9	11	2	0	0	0		
		14	85.1	76.7	27.7	67	1011.1	10.4	0	0	14	16	0	0	1	0		
PIARCO APT	41	20	76.9	74.8	28.5	90	1011.9	2.9	0	10	11	9	0	0	0	0		
ST. AUGUSTINE UNI	52	09	82.1	76.8	29.2	78	10.8											
<b>TOBAGO</b>																		
CRON POINT APT		02	77.3	75.1	28.7	90	1011.2	4.9	0	11	9	8	2	0	0	0		
		08	81.3	77.1	30.0	82	1013.0	6.4	0	4	11	13	2	0	0	0		
		14	84.2	78.5	30.7	77	1011.0	9.9	0	6	11	13	0	0	0	0		
		20	78.6	75.7	29.0	87	1011.9	5.5	0	9	10	10	1	0	0	0		
LOUIS D'OR	40	08	81.3	76.4	28.8	79	1.0											
<b>GRENADA</b>																		
PEARLS APT	22	08	81.6	76.9	29.5	80	1012.4	8.1	0	1	27	2	0	0	0	0		
		14	83.6	77.9	30.1	77	1010.6	8.6	0	4	24	1	1	0	0	0		
<b>BARBADOS</b>																		
ROSEBUDS CHI	370	08	80.0	74.8	27.2	78	1013.8	12.0	0	9	15	5	1	0	0	0		
SEAWELL APT	183	02	79.7	75.0	27.6	80	1011.8	9.0	0	4	19	7	0	0	0	0		
		08	81.5	75.6	27.6	75	1013.7	10.9	0	7	16	6	1	0	0	0		
		14	84.2	76.6	27.9	70	1011.9	11.7	0	4	12	13	1	0	0	0		
		20	80.3	75.6	28.1	80	1013.3	9.9	0	9	15	6	0	0	0	0		
<b>ST. LUCIA</b>																		
ROSEAU VETERAN		09	82.7	77.0	29.1	76												
VIGIE APT		08	80.6	75.5	27.9	78	1012.2	6.3	0	16	11	3	0	0	0	0		
		14	84.4	76.9	28.2	70	1010.6	9.9	0	8	16	6	0	0	0	0		
<b>DOMINGUA</b>																		
MELVILLE HALL APT		14	83.7	76.7	28.2	72	1014.6	11.6	0	0	25	5	0	0	0	0		







TABLE I: SUMMARY OF DAILY OBSERVATIONS NOVEMBER 1972

COUNTRY STATION	RAINFALL (inches)			NUMBER OF DAYS WITH, OR MORE THAN			AIR TEMPERATURE °F			MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH				
	TOTAL AMOUNT	MOST IN A DAY	DATE	-0.4	-0.4	1.00	MEAN MIN	MEAN	$\frac{1}{2}(A+B)$			MAX	MIN	THUNDER	FOG	HALE
										A	B					
TRINIDAD																
CENTENO	8.11	2.63	21	20	3	2	86.0	71.3	78.7	88	65					
FENAL	5.07	.88	16	17	4	0	86.5			90						
PIARCO APT	6.73	2.22	21	19	4	2	87.0	71.7	79.4	89	70					
ST. AUGUSTINE UWI	3.55	1.21	21	9	3	1	87.6	70.5	79.1	90	68				0	0
TOBAGO																
CROWN POINT APT	8.80	3.33	15	17	6	2	86.4	67.8	81.6	88	71					
LOUIS D'OR	10.03	2.30	29	22	7	3	85.4	74.6	80.0	87	70					
GRENADA																
PEARLS APT	4.56	.83	28	15	3	0	85.5	76.8	81.2	87	71					
BARBADOS																
HUSBANDS CMI	6.01	1.57	30	11	4	2	85.6	73.6	79.6	87	68					
SEAWELL APT	3.23	.91	20	14	2	0	86.5	76.0	81.3	87	71					
ST. LUCIA																
ROSEAU WINNAN	7.54	1.14	3	20	9	1	86.1	71.6	78.9	88	69					
VIGIE APT	8.45	9.3	3	22	10	0	86.5	74.3	80.4	88	71					
DOMINICA																
MELVILLE HALL APT	10.46	1.50	21	21	9	4	84.8	73.5	79.2	87	71					
ANTIGUA																
COOLIDGE APT	1.84	.43	4	11	1	0	85.2	72.9	79.1	86	68					
DUNBARS	2.51	.68	5	14	2	0	87.3	73.6	80.5	91	70					
BR. VIRGIN ISLANDS																
PARAQUITO BAY	1.55	.43	4	7	1	0	85.6	75.6	80.6	87	69					



TABLE II SUMMARY OF DAILY OBSERVATIONS NOVEMBER 1972

COUNTRY STATION	RAINFALL (Inches)			AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH					
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH, OR MORE THAN			MEAN MIN	MEAN MAX			MEAN 1/2 (A+B)	EXTREMES MAX MIN	THUNDER	FOG	HAIL	GALE
				-0.4	-0.1	1.00										
BELIZE	1.34	.80	17	9	1	0	87.3	73.8	80.6	90	68	209.8	1	5	0	0
BELIZE APT																
GUYANA																
APOTERI	7.76	1.72	2	11	7	3	88.9	72.1	80.5	92	70	164.8	20	14	0	0
ERINI	6.54	1.21	29	17	5	2	85.3	75.3	80.3	87	68	196.9	5	0	0	0
GEORGETOWN BG	12.54	3.60	2	18	8	1	85.9	72.5	79.2	89	70					
HOSORORO	8.08	1.69	16	12	8	1										
KAIETEUR FALLS	16.56	2.88	2	25	12	7						177.9				
KAMARANG	10.39	2.73	2	22	8	3	83.2	68.5	75.9	86	68	124.1	6	7	0	0
LETHEM	.63	.15	12	5	0	0	92.1	74.1	83.1	95	72		1	0	0	0
MABAJUMA	9.05	1.69	16	21	8	2	86.1	72.4	79.3	90	70					
MACHICONY	8.91	3.92	29	15	5	2	86.3	75.4	80.9	88	72	197.2				
MATTHEWS RIDGE	12.30	1.90	11	22	13	3	88.2	69.5	78.9	89	69					
MON REPOS	14.80	4.05	2	16	8	4	86.1	73.3	79.7	88	70	198.5				
NEM AMSTERDAM	3.27	.41	13	15	3	0	87.9	74.6	81.3	90	74					
FORT KAITUMA	11.52	1.34	7	21	12	3	92.3	71.4	84.1	95	74	155.0	2	0	0	0
ST. IGNATIUS	1.04	.46	2	5	1	0	87.0	75.5	81.3	90	74	186.7				
SKELDON FRONT	2.95	.89	20	11	3	0										
TIMEHRI APT	9.04	1.96	11	18	6	4	87.1	72.5	79.8	91	71		8	13	0	0
TIMEHRI CHS	8.70	2.24	11	13	5	3	86.9	71.5	79.2	90	70					
WAUNA	9.75	1.32	16	21	10	2	86.2	70.2	78.2	89	66	148.1	7	5	0	0



TABLE III - SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS NOVEMBER 1972

COUNTRY STATION	RUN OF WIND (in miles)		EVAPORATION (inches)		SOIL TEMPERATURES OF						TOTAL RADIATION (langbeys)			
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	At 2 inch depth		EXTREMES		At 4 inch depth		TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY	
					MEAN	MAX	MAX	DATE	MIN	MEAN				MAX
<b>JAMAICA</b>														
EAST ALBION	31	47	6.16	.27										
EMPIRE NURSERY	10	15	3.16	.15										
HALLS DELIGHT	21	56	3.78M	.30										
MONTICO BAY APT	95	144	6.68	.49										
ORANGE RIVER	23	57												
PALISADES APT	82	135	7.31M	.47										
SMITHFIELD	45	77	3.69M	.27	84.8	72.8	89	4	71	81.5	74.0	85	73	
WORTHY PARK	32	47	4.39	.17										
<b>GUYANA</b>														
EBINI	51	73	5.73	.29										
GEORGETOWN BG	66	93	4.84	.23										
KAMARANG	31	43	4.87	.34										
MAHAICOHY	153	224	7.06	.29										
ST. JONAS	144	182												
TIMSHRI CHS	51	75	3.55	.28	89.7	75.7	97	28	73	85.4	77.2	89	76	
WAUNA	12	39												
											12139	568	224	
											11092	508	107	

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS NOVEMBER 1972

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTERO	.34	.58	.82	.92	1.00	1.58	1.92	2.63
PERAL	.40	.44	.52	.57	.63	.63	.63	.63
PIARCO APT	.21	.41	.56	.69	1.00	1.24	1.31	2.21
ST.AUGUSTINE UWI			.47	.60	.72	.95	1.05	1.17
TORAGO								
CROWN POINT APT		.55	.67	1.26	2.24	2.46	3.59	3.65
LOUIS D'OR	.20	.36	.39	.59	.85	1.13	1.57	2.11
BARBADOS								
HUSBANDS CMI	.45	.60	.70	.98	1.08	1.14	1.14	1.57
SEAWELL APT					.53	.81	.83	.83
BR.VIRGIN ISLANDS								
PARAQUITO BAY	.20	.22	.24	.28	.30	.30	.43	.43
JAMAICA								
MONTEGO BAY APT	.23	.44	.57	.97	1.57	2.06	2.06	2.06
PALISADOES APT	.10	.20	.27	.27	.27	.27	.29	.29
SMITHFIELD	.35	.70	.79	1.06	1.76	2.67	3.06	3.06
GUYANA								
APOTERI	.29	.54	.82	1.14	1.39	1.45	1.97	1.98
EBINI	.32	.61	.80	.85	1.00	1.07	1.21	1.21
GEORGETOWN BG	.58	.68	.74	.98	1.31	1.58	3.41	3.42
KAIETEUR FALLS	.32	.60	.84	.97	1.56	2.26	2.37	2.37
KANARANG	.36	.60	.68	1.24	1.84	2.24	2.67	2.70
LETHEM								
NEW AMSTERDAM	.08	.10	.11	.12	.14	.15	.18	.18
ST. IGNATIUS	.27	.32	.32	.35	.38	.41	.41	.41
SKELDON FRONT	.14	.26	.33	.38	.40	.40	.42	.42
TIMBERRI APT	.28	.41	.44	.45	.48	.51	.88	.89
TIMBERRI APT	.30	.56	.72	1.00	1.04	1.17	1.37	1.41
TIMBERRI CBS								
TIMBERRI CBS	.26	.41	.49	.72	1.03	1.23	1.54	2.10
WAUNA	.35	.44	.52	.66	.80	.83	.85	.85

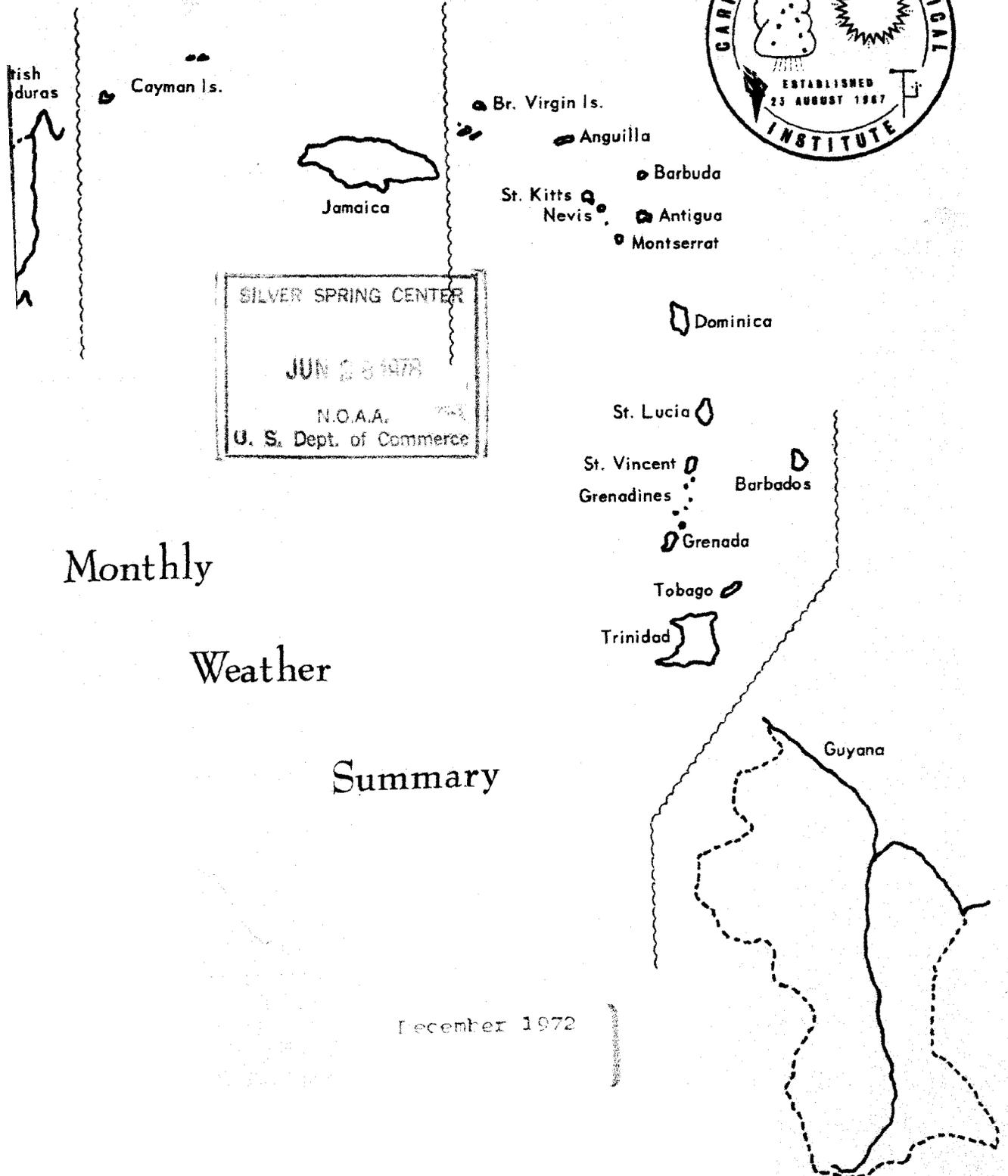
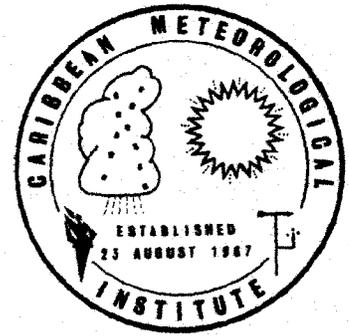
TABLE V - SUMMARY OF WINDSPEED RECORDS NOVEMBER 1972

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIR	SPEED	ENDED	DATE	DIR	SPEED	TIME	DATE	23	47	83	
	NO	HR	DATE	DIR	SPEED	TIME	DATE	NO	NO	NO		
TRINIDAD												
CEMENTO	08	14	10	12	08	22	0945	12	0	0	0	4.3
PERAL	09	14	10	12	11	29	1310	6	0	0	0	3.4
PIANCO APT	07	15	14	12	09	32	1340	30	0	0	0	5.0
TOBAGO												
CROWN POINT APT	12	14	12	8	12	27	0740	16	0	0	0	6.7
ANTIGUA												
COOLIDGE APT	09	20	03	30	10	33	2345	29	0	0	0	11.4
GUYANA												
ERINI	09	15	10	29	09	32	1815	20	0	0	0	4.8
GEORGETOWN BG	06	13	13	19	08	39	2100	10	2	0	0	6.1
GEORGETOWN ORR	05	23	06	12	06	41	0730	10	4	0	0	11.8
KALETEUR FALLS	05	8	17	5	06	17	1545	18	0	0	0	1.9
KAMARANG	06	10	18	6	17	16	1545	2	0	0	0	.9
TIMEHRI APT	05	14	14	8	07	27	1155	2	0	0	0	4.7

TABLE VI - SUMMARY OF SUNSHINE RECORDS NOVEMBER 1972

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)												TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					MORE THAN 12							
	00-01		01-02		02-03		03-04		04-05		05-06						06-07		07-08		08-09		09-10		10-11		11-12		
	00	01	00	01	00	01	00	01	00	01	00	01					00	01	00	01	00		01	00	01	00	01	00	01
TRINIDAD																													
CENTENO		0	11	64	66	73	71	65	64	67	64	60	45	3	0	195.8	56	10.5	24	0	6	5	11	8	0				
FANAL		0	1	60	67	70	68	56	64	64	61	61	35	1	0	182.9	52	9.9	24	1	5	7	15	2	0				
PIARCO APT		0	17	67	72	77	71	67	69	69	67	65	59	19	0	215.6	62	10.5	24	0	6	3	8	13	0				
ST. AUGUSTINE UWI		0	11	64	77	83	84	72	67	65	72	58	63	22	0	221.2	63	10.4	24	0	5	4	9	12	0				
TOBAGO																													
CROWN POINT APT		0	13	58	63	71	73	77	82	75	75	69	61	16	0	222.7	63	11.0	7	0	5	4	5	16	0				
LOUIS D'OR		0	10	53	71	79	73	73	75	73	78	68	50	0	0	210.5	60	10.4	24	1	3	5	10	11	0				
GRENADA																													
MIRABEAU		0	6	41	57	81	82	78	75	70	55	24	2	0	0	171.3	49	7.6	5	0	1	15	14	0	0				
BARBADOS																													
HUSBANDS CMI		0	21	77	80	90	88	85	81	80	81	78	62	6	0	248.6	72	10.5	15	0	1	6	6	17	0				
SEANELL APT		0	15	79	84	93	92	90	85	84	80	81	74	15	0	261.3	75	10.9	5	0	0	6	4	20	0				
DOMINICA																													
MELVILLE HALL APT		0	0	53	68	87	85	80	77	70	69	60	34	1	0	205.5	60	10.1	23	0	1	9	16	4	0				
ST. KITTS/NEVIS																													
LA GUERITE		0	66	82	87	87	93	85	93	86	79	79	34	4	0	262.5	77	10.5	18	0	0	3	12	15	0				
BR. VIRGIN ISLANDS																													
PARAGUITO BAY		0	11	70	78	78	85	88	88	86	90	85	55	0	0	244.4	72	10.0	3	0	2	2	11	15	0				
JAMAICA																													
ORANGE RIVER		0	0	41	72	84	82	88	84	86	70	52	22	0	0	204.8	60	9.4	20	0	1	6	15	3	0				
BELIZE																													
BELIZE APT		0	10	48	60	66	66	77	80	79	73	72	63	6	0	209.8	62	10.5	4	0	2	8	12	8	0				
GUYANA																													
EDINI		0	7	36	43	61	60	63	66	61	55	46	40	11	0	164.8	46	9.4	8	0	5	11	11	3	0				
GEORGETOWN BG		0	4	53	56	60	72	75	78	74	65	60	50	9	0	196.9	56	10.4	25	0	7	3	9	11	0				
KAYETEUR FALLS		0	2	13	30	43	61	68	74	75	72	64	63	28	0	177.9	50	10.0	23	0	3	10	15	2	0				
KAWARANG		0	0	17	31	40	46	41	50	56	54	52	35	6	0	124.1	36	8.3	15	1	9	11	8	0	0				
MAHAICONY		0	8	51	53	69	72	74	75	75	71	62	37	10	0	197.2	56	10.8	17	0	6	4	13	7	0				
MAZARUNI		0	0	17	43	57	52	45	41	37	33	19	0	0	116.6	33	8.2	21	1	11	14	4	0	0					
MON REPOS		0	11	47	57	65	73	71	77	73	69	59	48	11	0	198.5	56	10.7	25	1	5	5	9	10	0				
SKELETON FRONT		0	14	52	58	70	66	66	68	70	65	52	38	5	0	186.7	54	10.0	13	0	3	15	8	4	0				
WAUNA		0	4	44	56	59	62	56	51	50	50	36	20	6	0	148.1	45	9.9	12	1	7	10	11	1	0				

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Monthly

Weather

Summary

December 1972

MONTHLY WEATHER SUMMARY

Prepared and published by the  
Caribbean Meteorological Institute  
Husbands, St. James, Barbados, W.I.

December 1972

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TABLE II SUMMARY OF DAILY OBSERVATIONS DECEMBER 1972

COUNTRY STATION	RAINFALL (inches)			NUMBER OF DAYS WITH, OR MORE THAN				AIR TEMPERATURE °F				TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH						
	TOTAL AMOUNT	MOST IN A DAY	DATE	-04		-10		1.03		MEAN	MEAN MIN		MEAN $\frac{1}{2}(A+B)$	EXTREMES		THUNDER	FOG	HAIL	GALE
				MAX	A	MIN	B	MAX	MIN										
JAMAICA																			
ALLSIDES	6.50	3.61	24	11	3	2			76.9	61.0	69.0	82	54					181.7	
BERNARD LODGE	3.66	1.46	22	7	4	1			88.7	68.2	78.4	93	63					190.0	
BODLES	4.27	1.10	10	13	3	1			86.8	67.7	77.3	91	61						
CAENWOOD	21.69	2.71	29	25	17	8			80.9	71.6	76.3	86	67					68.0	
CEDAR VALLEY	5.83	1.60	28	20	5	1			80.3	58.2	69.3	85	54						
CINCHONA GARDENS	15.83	6.15	18	19	8	4			69.3	55.4	62.4	76	53						
DALLAS	4.78	.99	17	9	4	0			70.5	56.4	63.5	87	62						
DUCKENFIELD	5.95	1.00	22	16	5	1												165.7	
EAST ALBION	1.22	.42	15	7	1	0			87.4	71.6	79.5	91	69						
EMPIRE NURSERY	8.76	2.58	18	13	6	4			81.2										
PARK HILL	12.55	5.40	22	16	9	4			74.1	54.2	64.2	77	51					207.7	
FROME	.98	.43	10	4	1	0			87.8	69.2	78.5	91	63						
HALLS DELIGHT	9.47	4.45	17	14	6	2			77.1	63.0	70.1	84	59						
IRWIN	8.67	1.78	18	14	7	3			86.8	67.7	77.2	95	63						
KINGSTON	1.73	.53	17	7	1	0			88.2	72.8	80.5	93	70						
MARSHALLS PEN	5.18	2.26	24	15	3	1			78.3	63.7	71.0	82	58						
MASON RIVER	4.99	1.45	9	13	3	2			77.9	63.7	70.8	83	58						
MORTEGO BAY APT	6.91	2.39	25	13	3	2			84.4	71.0	77.7	88	67						
MORANT POINT LH	3.12	.51	26	11	3	0			86.7	74.6	79.2	84	69					1	
ORANGE RIVER	17.53	4.85	10	20	11	5			80.8	68.1	74.5	84	61					0	
PALISADES APT	.49	.11	15	5	0	0			88.2	75.2	81.7	93	72					202.9	
SMITHFIELD	3.47	.95	25	8	4	0			81.2	69.7	75.4	92	65					207.1	
TOP MOUNTAIN	4.81	1.45	9	10	3	2			73.3	57.3	65.3	79	51						
WORTHY PARK	8.56	3.56	24	17	3	2			82.4	63.1	72.7	87	56					166.9	

TABLE II SUMMARY OF DAILY OBSERVATIONS DECEMBER 1972

COUNTRY STATION	RAINFALL (inches)				NUMBER OF DAYS WITH OR MORE THAN				AIR TEMPERATURE °F				TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH				
	TOTAL AMOUNT	MOST IN A DAY	DATE	.04	.40	1.00	MEAN	MAX	A	B	MEAN $\frac{1}{2}(A+B)$	EXTREMES		THUNDER	FOG	HAIL	GALE	
												MIN						MAX
CAYMAN ISLANDS																		
WEST BAY	6.33	3.30	16	13	4	2	83.7	73.2	78.4	87	60	248.9						
BELIZE																		
BELIZE APT	7.80	2.06	18	15	5	3	82.2	69.2	75.7	88	60	183.2	0	1	0	0		
GUYANA																		
APOTERI	4.17	1.26	14	12	5	1												
ERINI	4.10	.84	9	14	3	0	87.9	71.0	79.5	90	63	165.5	6	8	0	0		
GEORGETOWN BG	3.42	.88	13	13	4	0	84.4	74.9	79.7	86	72	222.4						
ROSORORO	6.95	1.14	7	22	6	2	85.5	71.8	78.6	88	68							
TYABRU FALLS	4.75	.90	9	14	2	0	90.8	72.2	81.5	93	65	68.4	3	0	0	0		
KAIETEUR FALLS																		
KAIETEUR FALLS	11.63	3.24	10	21	10	2						180.0						
KAWARANG	3.46	.58	18	17	1	0	82.7	67.2	75.0	85	61	65.2	2	11	0	0		
LETHEM	.05	.03	11	0	0	0	91.3	73.5	82.4	94	70							
MALARUMA	5.88	.95	8	22	4	0	85.9	72.0	79.0	87	70		1	0	0	0		
MAHAICONY	3.71	.77	13	14	4	0	84.6	74.5	79.5	86	70	222.7						
MATTHEWS RIDGE																		
MATTHEWS RIDGE	4.98	.80	5	19	5	0	88.7	69.5	79.1	90	69							
MAZARUNI	4.94	1.80	27	10	3	1	92.2	70.2	81.2	93	69	167.3	1	3	0	0		
MON REPOS	2.50	.66	15	9	2	0	85.3	72.6	78.9	87	70	220.0						
NEW AMSTERDAM	2.97	.62	16	11	4	0	86.8	74.5	80.6	89	72							
PORT KAITUMA	6.68	1.10	4	20	6	1	87.3	70.7	79.0	96	66		1	0	0	0		
ST. IGNATIUS																		
ST. IGNATIUS	.38	.20	5	2	0	0	91.3	75.0	83.2	94	71	240.7						
SKELDON FRONT	1.57	.49	13	7	1	0	85.6	73.7	79.7	88	66	71.6						
TINEHRI APT	3.78	.77	16	12	4	0	86.9	71.7	79.3	90	68	191.2	2	4	0	0		
TINEHRI CHS	3.92	.86	16	14	3	0	86.4	70.3	78.4	90	66							
WAUNA	6.93	1.41	27	22	5	1	85.6	69.5	77.6	89	64	181.1	5	13	0	0		

TABLE III - SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS DECEMBER 1972

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)		SOIL TEMPERATURES °F								TOTAL RADIATION (langley's)		
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	At 2 inch depth		At 4 inch depth		At 8 inch depth		MEAN MIN	MEAN MAX	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
					MEAN	MAX	MEAN	MAX	MEAN	MAX					
					EXTREMES	EXTREMES	EXTREMES	EXTREMES	EXTREMES	EXTREMES					
				MAX	MIN	MAX	MIN	MAX	MIN	MAX	MAX	MIN			
TRINIDAD															
CENTENO	62	103	4.64	.23									13746	571	215
PEHAL	48	67	4.68	.21											
PLARCO APT	74	104	5.42	.30											
ST. AUGUSTINE UMI	93	160	4.10	.19											
TOBAGO															
CROWN POINT APT	67	114	5.89	.36											
LOUIS D'OR	40	55	5.26	.26											
BARBADOS															
HUSEANES CMI	100	188	6.38	.53									13873	626	276
ST. LUCIA															
BEAUSÉJOUR	184	326	5.53	.29									17526	667	354
BR. VIRGIN ISLANDS															
PAPAQUITO BAY	127	212	6.46	.31									11324	438	204
JAMAICA															
ALLSIDES	141	227													
BERNARD LODGE	29	61	4.51	.25											
BODLES			4.52	.29											
CEDAR VALLEY			3.97M	.36											
EAST ALBION	43	89	6.46	.45									11067	560	287

TABLE III - SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS DECEMBER 1972

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)		SOIL TEMPERATURES °F												TOTAL RADIATION (langley's)		
	DAILY MEAN	MOST IN A DAY	TOTAL IN A AMOUNT	MOST IN A DAY	At 2 inch depth				At 4 inch depth				TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY				
					MEAN		EXTREMES		MEAN		EXTREMES								
					MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN							
				DATE		DATE													
JAMAICA																			
EMPIRE NURSERY	11	36	3.15M	.50	22														
FARM HILL	55	204																	
HALLS DELIGHT	45	166																	
MONTICO RAY APT	130	276	6.48M	.28	20														
ORANGE RIVER	39	112														10865	480 196		
PALISADES APT	93	181	5.91	.44	2														
SEINFELD	68	161	3.44M	.22	8	80.7	70.3	88	7	66	76.2	72.0	81	69					
WORTHY PARK	51	134	4.29	.18	8														
CAYMAN ISLANDS																			
WEST BAY	161	310	7.03	.41	22	89.7	76.3	97	4	67	84.4	77.9	90	71	11301	433	112		
GUYANA																			
EBINI	53	96	6.16M	.29	9	84.8	77.1	89	24	71	85.9	76.5	89	76					
GEORGETOWN BG	73	153	4.96	.25	31														
ITABRU FALLS			4.26	.22	26														
KAVARANG	36	56	4.53	.38	19														
MAHAICONY	139	233	6.81	.33	28											11713	480 71		
ST. IGNATIUS	190	232	11.71	.50	5														
TIMEHRI CHS	54	92																	
WAUNA	14	34	3.98	.34	18	89.2	74.6	94	21	72	84.3	76.2	87	74					

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS DECEMBER 1972

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.24	.32	.40	.56	.60	.84	1.25	1.33
PENAL	.24	.28	.40	.72	1.12	1.49	1.53	1.67
PIARCO APT	.20	.40	.55	.58	.69	.82	1.27	1.32
ST. AUGUSTINE UWI		.20	.29	.37	.49	.52	.61	.61
TOBAGO								
CROWN POINT APT	.40	.74	.81	1.15	2.23	2.40	2.98	4.17
LOUIS D'OR			.45	.56	.56	.57	.57	.58
BARBADOS								
HUSBANDS CMI	.30	.46	.68	.80	.81	.81	.88	.98
SEAWELL APT	.16	.18	.24	.40	.66	1.10	1.30	1.54
ST. LUCIA								
BEAUSEJOUR				.46	.56	.58	.72	.72
JAMAICA								
MONTEGO BAY APT	.10	.13	.19	.36	.77	1.95	2.03	2.03
PALISADOES APT			.07	.07	.07	.09	.10	.10
SMITHFIELD	.12	.22	.24	.33	.35	.40	.59	.59
GUYANA								
APOTERI	.41	.52	.53	.63	.66	.67	1.21	1.22
EBINI	.19	.32	.36	.49	.55	.69	.80	.84
GEORGETOWN EG	.22	.32	.38	.42	.42	.49	.73	.83
ITABRU FALLS	.24	.43	.48	.57	.68	.90	.90	.90
KALISTEUR FALLS	.21	.40	.60	1.00	1.58	1.77	2.51	3.24
KAMARANG	.10	.15	.20	.22	.25	.31	.53	.58
KERARA LANDING	.19	.25	.28	.31	.41	.41	.41	.46
LEPHEN	.02	.02	.02	.03	.03	.03	.03	.03
MACKENZIE	.32	.58	.66	.69	.69	.72	.79	.79
MAHAICONY			.44	.48	.53	.54	.61	.66
MATTHEWS RIDGE		.32	.37	.48	.48	.79	.79	.79
NEW AMSTERDAM	.13	.20	.22	.22	.39	.43	.62	.62
ST. IGNATIUS	.15	.15	.15	.15	.20	.20	.20	.20
SKELDON FRONT	.14	.14	.21	.29	.29	.31	.42	.42
TIMSHRI APT	.20	.31	.38	.54	.60	.61	.74	.77
TIMSHRI CHS	.28	.32	.36	.46	.75	.75	.82	.84
WALNA	.40	.48	.60	.63	.64	.80	1.28	1.41

TABLE V - SUMMARY OF WINDSPEED RECORDS DECEMBER 1972

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
TRINIDAD												
PENAL	15	14	15	10	15	26	1405	10	0	0	0	3.5
PIARCO APT	08	15	14	18	08	34	1345	13	1	0	0	5.3
TOBAGO												
CROWN POINT APT	10	16	13	16	12	27	1045	9	0	0	0	6.3
ANTIGUA												
COOLIDGE APT	09	24	07	14	12	36	0150	14	8	0	0	12.0
CAYMAN ISLANDS												
WEST BAY	05	19	08	17	05	36	1835	17	7	0	0	9.8
GUYANA												
EBINI	02	15	17	28	03	30	1115	29	0	0	0	4.9
GEORGETOWN BG	07	14	14	27	07	25	1010	27	0	0	0	7.0
GEORGETOWN ORR	05	23	22	18	07	30	1225	16	0	0	0	11.8
KAIETEUR FALLS	07	8	13	29	07	16	1220	29	0	0	0	1.7
KAMARANG	07	4	16	8	10	5	1515	12	0	0	0	.8
TIMEERI APT	05	15	15	17	04	26	1330	27	0	0	0	5.4

TABLE VI - SUMMARY OF SUNSHINE RECORDS (CONTINUED)

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)												TOTAL DURATION (hours)	PERCENT OF Possible	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					MORE THAN 12							
	5-8	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17					17-18	18-19	0-1.3	1-2.0	3-1-0-0		4-1-9-0	5-1-12-0					
TRINIDAD																													
CLARENO	0	8	55	68	71	68	69	69	63	66	63	57	14	0	207.8	58	10.6	8	0	6	5	9	11	0	0				
PLURAL	0	1	42	72	67	70	68	75	76	65	57	50	12	0	204.2	57	10.6	21	0	3	7	17	4	0	0				
PLARCO APT	0	19	63	73	75	72	74	71	71	67	65	57	12	0	222.8	62	10.3	8	0	4	6	10	11	0	0				
ST-AUGUSTINE UWI	0	12	61	77	79	73	68	70	73	74	72	62	19	0	229.2	64	11.0	5	0	3	5	11	12	0	0				
TOBAGO																													
CROWN POINT APT	0	19	67	77	82	81	75	75	72	62	61	54	22	0	231.7	65	10.9	22	0	3	6	10	14	0	0				
LOUIS D'OR	0	11	61	69	86	82	82	82	78	69	60	50	1	0	226.3	63	10.3	7	0	3	6	11	11	0	0				
GRANADA																													
MIRABEAU	0	1	40	55	64	65	64	68	61	55	39	25	2	0	167.1	47	9.9	23	0	5	12	9	5	0	0				
BARBAUOS																													
HUSBARDS CMI	0	21	68	72	71	75	80	75	74	72	72	68	4	0	232.8	66	10.7	8	0	2	6	13	10	0	0				
SEAWELL APT	0	10	66	72	70	72	82	81	85	87	83	73	15	0	247.8	70	10.7	26	0	4	4	4	4	19	0	0			
DOMINICA																													
MELVILLE HALL APT	0	2	34	57	61	74	66	72	65	54	58	37	0	0	179.9	52	9.4	4	0	5	11	12	2	0	0				
BR-VIRGIN ISLANDS																													
PARAQUITO BAY	0	7	60	78	81	89	81	81	84	86	81	55	0	0	242.5	70	9.7	6	0	1	4	15	11	0	0				
JAMAICA																													
FROME	0	6	51	64	68	79	76	74	73	63	64	49	4	0	207.7	60	10.1	17	0	4	7	17	3	0	0				
CAYMAN ISLANDS																													
WEST BAY	0	7	62	72	77	81	86	85	86	85	84	70	8	0	248.9	71	10.5	4	1	2	3	7	18	0	0				
BELIZE																													
BELIZE APT	0	7	45	57	60	63	61	60	66	68	55	43	4	0	183.2	53	10.5	23	3	4	6	10	6	0	0				
GUYANA																													
ELINI	0	4	30	49	50	62	63	56	59	59	51	38	14	0	165.5	45	10.4	24	0	7	10	11	3	0	0				
GEORGETOWN BG	0	1	50	66	74	78	77	84	81	80	72	52	2	0	222.4	61	10.0	31	0	2	7	16	6	0	0				
KAITIUR FALLS	0	4	22	38	48	57	65	69	72	72	63	51	21	0	180.0	49	9.1	7	0	4	11	15	1	0	0				
KAYARANG	0	1	14	39	46	55	59	55	65	64	65	59	1	0	159.1	43	8.8	30	1	1	20	9	0	0	0				
MAELICORY	0	8	54	62	67	73	74	75	78	80	71	61	16	0	222.7	61	11.0	24	1	2	7	11	10	0	0				
MAZARUNI	0	0	5	43	70	76	72	67	59	50	59	40	0	0	167.3	46	8.7	25	0	5	9	14	0	0	0				
MON REPOS	0	8	45	67	72	78	80	79	80	70	70	50	3	0	220.0	61	10.2	7	0	3	4	14	10	0	0	0			
ST-JIGNATIUS	0	25	50	61	71	78	79	82	75	75	77	75	27	0	240.7	65	11.6	23	0	4	3	9	15	0	0				
SKELDON FRONT	0	9	43	60	62	62	66	75	75	72	57	43	7	0	137.6	54	10.1	23	0	6	7	11	6	0	0				
MAUSA	0	2	49	68	74	68	62	56	57	48	49	42	9	0	161.1	50	10.5	21	0	2	16	11	2	0	0				